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(71) Applicant (for all designated States except US): CHONDROGENE INC. [CA/CA]; 800 Petrolia Road, Unit 15, Toronto, Ontario M3J 3K4 (CA).

(72) Inventors; and

(75) Inventors/Applicants (for US only): LIEW, Choong-Chin [CA/CA]; 81 Millersgrove Drive, Toronto, Ontario M2R 3S1 (CA). MARSHALL, Wayne, E. [CA/CA]; 5 Fallingbrook Crescent, Toronto, Ontario M1N 1B1 (CA). ZHANG, Hongwei [CA/CA]; 3287 Cardross Road, Mississauga, Ontario L4X 2N4 (CA).

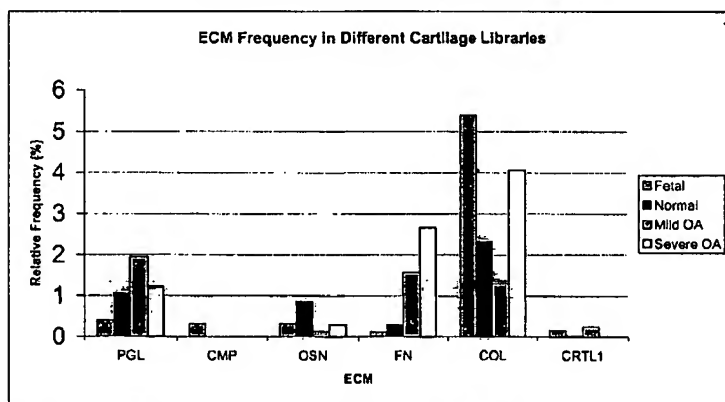
(74) Agent: TORYS LLP; Suite 3000, 79 Wellington St. W., Box 270, TD Centre, Toronto, Ontario M5K 1N2 (CA).

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(54) Title: COMPOSITIONS AND METHODS RELATING TO OSTEOARTHRITIS

Relative EST Frequencies of Selected ECM Proteins



Legend: PGL=proteoglycan, CMP=cartilage matrix proteins, OSN=osteonection, FN=fibronectin, COL=collagens, CRT1=cartilage link protein

(57) Abstract: The invention provides for one or more polynucleotide sequences that are expressed in chondrocytes from any of the following developmental and disease stages: fetal, normal, mild, osteoarthritic, moderate osteoarthritic, marked and osteoarthritic. The invention also relates to arrays and compositions comprising any combination of these polynucleotide sequences. The invention also provides for methods of using the arrays of the invention to diagnose osteoarthritis. The invention also provides for methods of identifying therapeutic agents that alter the level of expression of the polynucleotides of the invention or alter the anabolic level of a chondrocyte.

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| | Fetal | Normal | Mild | Severe | | | | |
|---|-------|--------|------|--------|------|------|-----|------|
| PROTEOGLYCANS | | | | | | | | |
| aggrecan (cartilage specific proteoglycan) | 14 | 1 | 4 | 3 | | | | |
| chondroitin sulfate proteoglycan 2 (verican) (CSPG2) | 1 | 4 | 2 | 0 | | | | |
| chondroitin sulfate proteoglycan 4 (melanin-associated) (CSPG4) | 3 | 0 | 0 | 0 | | | | |
| dermatan sulfate proteoglycan 3 (DSPG3) | 7 | 0 | 0 | 0 | | | | |
| heparan sulfate proteoglycan (HSPG) | 9 | 4 | 4 | 12 | | | | |
| keratan sulfate proteoglycan | 2 | 0 | 0 | 0 | | | | |
| bone/cartilage proteoglycan 1 precursor (Biglycan) (PG-S1) | 2 | 1 | 1 | 4 | | | | |
| decorin (chondroitin/dermatan sulfate proteoglycan PG40=DCN) | 14 | 172 | 234 | 154 | | | | |
| Total | 52 | 182 | 245 | 173 | | | | |
| | % | % | % | % | | | | |
| Proteoglycans | 52 | 0.30 | 1.06 | 1.94 | 1.22 | | | |
| cartilage matrix protein (CMP) gene | 42 | 0.31 | 0 | 0.00 | 0 | 0.00 | | |
| osteonection (secreted protein, acidic, cysteine-rich SPARC) | 42 | 0.31 | 149 | 0.87 | 18 | 0.12 | 42 | 0.30 |
| fibronectin | 16 | 0.12 | 50 | 0.29 | 188 | 1.57 | 379 | 2.67 |
| Collagen | 722 | 5.39 | 401 | 2.34 | 164 | 1.30 | 578 | 4.08 |
| cartilage link protein (CRT1) (ORP) | 20 | 0.15 | 2 | 0.01 | 31 | 0.25 | 1 | 0.01 |
| Total | 894 | 784 | 653 | 1173 | | | | |



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VN, YU, ZA, ZM, ZW.

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COMPOSITIONS AND METHODS RELATING TO OSTEOARTHRITIS**Field of the Invention**

The invention relates to the profiling of differential gene expression in specific human tissue types through the construction and use of cDNA libraries and microarrays.

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1. Background of the Invention

Osteoarthritis (OA) is a chronic disease in which the articular cartilage that lies on the ends of bones that forms the articulating surface of the joints gradually degenerates over time. There are many factors that are believed to predispose a patient to osteoarthritis including genetic susceptibility, obesity, accidental or athletic trauma, surgery, drugs and heavy physical demands. Osteoarthritis is initiated by damage to the cartilage of joints. The two most common injuries to joints are sports-related injuries and long term "repetitive use" joint injuries. Joints most commonly affected by osteoarthritis are the knees, hips and hands. In most cases, due to the essential weight-bearing function of the knees and hips, osteoarthritis in these joints causes much more disability than osteoarthritis of the hands. As cartilage degeneration progresses, secondary changes occur in other tissues in and around joints including bone, muscle, ligaments, menisci and synovium. The net effect of the primary failure of cartilage tissue and secondary damage to other tissues is that the patient experiences pain, swelling, weakness and loss of functional ability in the afflicted joint(s). These symptoms frequently progress to the point that they have a significant impact in terms of lost productivity and or quality of life consequences for the patient.

Articular cartilage is predominantly composed of chondrocytes, type II collagen, proteoglycans and water. Articular cartilage has no blood or nerve supply and chondrocytes are the only type of cell in this tissue. Chondrocytes are responsible for manufacturing the type II collagen and proteoglycans that form the cartilage matrix. This matrix in turn has physical-chemical properties that allow for saturation of the matrix with water. The net effect of this structural-functional relationship is that articular cartilage has exceptional wear characteristics and allows for almost frictionless movement between the articulating cartilage

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surfaces. In the absence of osteoarthritis, articular cartilage often provides a lifetime of pain-free weight bearing and unrestricted joint motion even under demanding physical conditions.

During fetal development, articular cartilage is initially derived from the interzone of mesenchymal condensations. The mesenchymal cells cluster together and synthesize matrix proteins. The tissue is recognized as cartilage when the accumulation of matrix separates the cells, which are spherical in shape and are now called chondrocytes. During cartilage formation and growth, chondrocytes proliferate rapidly and synthesize large volumes of matrix. Prior to skeletal maturity, chondrocytes are at their highest level of metabolic activity. As skeletal maturation is reached, the rate of chondrocyte metabolic activity and cell division declines. After completion of skeletal growth, most chondrocytes do not divide but do continue to synthesize matrix proteins such as collagens, proteoglycans and other noncollagenous proteins (1, 2).

Like all living tissues, articular cartilage is continually undergoing a process of renewal in which "old" cells and matrix components are being removed (catabolic activity) and "new" cells and molecules are being produced (anabolic activity). Relative to most tissues, the rate of anabolic/catabolic turnover in articular cartilage is low. Long-term maintenance of the structural integrity of mature cartilage relies on the proper balance between matrix synthesis and degradation. Chondrocytes maintain matrix equilibrium by responding to chemical and mechanical stimuli from their environment. Appropriate and effective chondrocyte responses to these stimuli are essential for cartilage homeostasis. Disruption of homeostasis through either inadequate anabolic activity or excessive catabolic activity can result in cartilage degradation and osteoarthritis (3). Most tissues that are damaged and have increased catabolic activity are able to mount an increased anabolic response that allows for tissue healing. Unfortunately, chondrocytes have very limited ability to up-regulate their anabolic activity and increase the synthesis of proteoglycan and type II collagen in response to damage or loss of cartilage matrix. This fundamental limitation of chondrocytes is the core problem that has precluded the development of therapies that can prevent and cure osteoarthritis. Additionally, there is a need for a definitive diagnostic test for

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detecting early osteoarthritis, and a prognostic test that effectively monitors a patient's response to therapy.

Joint pain is the most common manifestation of early osteoarthritis. The pain tends to be episodic lasting days to weeks and remitting spontaneously. Although redness and swelling of joints is uncommon, joints become tender during a flare-up of osteoarthritis.

"Mild" or "early stage osteoarthritis" is difficult to diagnose. The physician relies primarily on the patient's history and physical exam to make the diagnosis of mild osteoarthritis. X-rays do not show the underlying early changes in articular cartilage. There are no recognized biochemical markers used to confirm the diagnosis of early stage osteoarthritis.

X-ray changes confirm the diagnosis of moderate osteoarthritis. X-rays of normal joints reveal well preserved symmetrical joint spaces. Changes seen on the x-rays of patients with osteoarthritis include new bone formation (osteophytes), joint space narrowing and sclerosis (bone thickening). There are no recognized biochemical markers used to confirm the diagnosis of "moderate osteoarthritis" at this stage.

The clinical exam of a joint with severe osteoarthritis reveals tenderness, joint deformity and a loss of mobility. Passive joint movement during examination may elicit crepitus or the grinding of bone-on-bone as the joint moves. X-ray changes are often profound: the joint space may be obliterated and misalignment of the joint can be seen. New bone formation (osteophytes) is prominent. Again, there are no recognized biochemical markers used to confirm the diagnosis of "severe osteoarthritis".

"Osteoarthritis" is the most common chronic joint disease. It is characterized by progressive degeneration and eventual loss of cartilage. Currently, there is a need for an effective therapy that will alter the course of osteoarthritis. Further advances in preventing, modifying or curing the osteoarthritic disease process critically depends, at least in part, on a thorough understanding of the molecular mechanisms underlying anabolic and catabolic processes in cartilage. Since cellular functions are substantially determined by the genes that

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the cells express, elucidating the genes expressed in articular cartilage at different developmental and disease stages will inevitably provide new insights into the molecules and mechanisms involved in cartilage formation, injury, disease and repair.

cDNA libraries from putatively normal and severely osteoarthritic human cartilage tissue have been constructed (Kumar et al., 46th Annual Meeting, Orthopaedic Res. Soc., Abstract, p. 1031). However, this work does not adequately address the differentiation of chondrocyte gene expression from differing severities of osteoarthritic human cartilage (mild, moderate, marked and severe). In addition, the "normal cartilage" samples were obtained from deceased donors more than 24 hours after death. Thus, this cDNA library does not truly reflect normal chondrocyte gene expression due to the rapid degeneration of RNA that occurs after cessation of perfusion to the sampled joint, as demonstrated by baboon studies, presented herein below.

Summary of the Invention

The invention relates to one or more profiles of gene expression for human fetal articular cartilage, and the cartilage of normal, mildly, moderately, markedly and severely osteoarthritic individuals, and thus to a method for identifying genes that play critical roles in cartilage injury, repair and disease progression. Given the inherently low anabolic activity in adult chondrocytes, identification of key replicative and/or anabolic genes expressed by fetal but not adult chondrocytes, has important implications for developing novel disease modifying therapies for adult cartilage injury and osteoarthritis.

One aspect of the invention is to isolate chondrocyte enriched or chondrocyte-specific polynucleotide sequences.

In one embodiment, one or more polynucleotide sequences selected from the group consisting of the sequences identified in Figure 6A which correspond to genes 1-5807 identified in Figure 6 and sequences identified in Figure 13 are isolated.

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In another embodiment, a vector comprising one or more polynucleotide sequences selected from the sequences identified in Figure 6A corresponding to genes 1-5807 of Figure 6 and sequences identified in Figure 13 are constructed.

In yet another embodiment, a host cell comprising said vector is constructed.

- 5 Another aspect of the invention is to provide a composition comprising one or more chondrocyte enriched or chondrocyte-specific polynucleotide sequences.

- Another aspect of the invention is to provide a composition comprising one or more chondrocyte enriched or chondrocyte-specific polynucleotide sequences isolated from one or more of (a) a fetus, (b) normal, (c) mildly osteoarthritic, (d) moderately osteoarthritic, (e)
10 markedly osteoarthritic, or (f) severely osteoarthritic cartilage samples.

Another embodiment of the invention provides a composition comprising one or more polynucleotide sequences selected from the group of sequences identified in Figure 6B which are isolated from a fetal cDNA library as disclosed herein.

- Another embodiment of the invention provides a composition comprising one or more
15 polynucleotide sequences selected from the group of sequences identified in Figure 6C which are isolated from a normal cDNA library as disclosed herein.

Another embodiment of the invention provides a composition comprising one or more polynucleotide sequences selected from the group of sequences identified in Figure 6D which are isolated from a mild osteoarthritic chondrocyte library as disclosed herein.

- 20 Another embodiment of the invention provides a composition comprising one or more polynucleotide sequences selected from the group of sequences identified in Figure 6E which are isolated from a severe osteoarthritic chondrocyte library as disclosed herein.

- Another embodiment of the invention provides a composition comprising one or more polynucleotide sequences selected from the group of sequences identified in Figures 6B, 6C,
25 6D and 6E.

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Another embodiment of the invention provides a composition comprising one or more polynucleotide sequences where at least one of said polynucleotide sequences is differentially expressed in cartilage from a patient diagnosed with mild osteoarthritis relative to cartilage from a normal individual, wherein cartilage isolated from the normal individual is isolated
5 from cartilage tissue obtained less than 14 hours post-mortem.

Another embodiment of the invention provides a composition comprising one or more polynucleotide sequences where at least one of the polynucleotide sequences is differentially expressed in cartilage from a patient diagnosed with severe osteoarthritis relative to cartilage derived from a normal individual, wherein cartilage isolated from the normal individual is
10 isolated from cartilage tissue obtained less than 14 hours post-mortem.

Another embodiment of the invention provides a composition comprising one or more polynucleotide sequences wherein at least one of the polynucleotide sequences is differentially expressed in cartilage from a patient diagnosed with moderate osteoarthritis relative to cartilage from a normal individual, wherein cartilage isolated from the normal individual is
15 isolated from cartilage tissue obtained less than 14 hours post-mortem.

Another embodiment of the invention provides a composition comprising one or more polynucleotide sequences wherein at least one of the polynucleotide sequences is differentially expressed in cartilage from a patient diagnosed with marked osteoarthritis relative to cartilage derived from a normal individual, wherein cartilage isolated from the normal individual is
20 isolated from cartilage tissue obtained less than 14 hours post-mortem.

Another embodiment of the invention provides a composition comprising one or more polynucleotide sequences wherein at least one of the polynucleotide sequences is differentially expressed in cartilage isolated from any two or more of the following sources (a) fetus, or (b) patient with mild osteoarthritis, (c) patient with moderate osteoarthritis, (d) patient with
25 marked osteoarthritis, (e) patient with severe osteoarthritis or (f) cartilage isolated from cartilage tissue obtained from a normal individual.

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Another embodiment of the invention provides a composition comprising one or more polynucleotide sequences identified in Figure 9 and/or sequences identified in Figure 6A which correspond to the genes disclosed in Figure 9.

5 Another embodiment of the invention provides a composition comprising one or more polynucleotide sequences identified in Figure 11 and/or those sequences identified in Figure 6A which correspond to the genes disclosed in Figure 11.

Another embodiment of the invention provides a composition comprising one or more polynucleotide sequences identified in Figure 6A which correspond to the genes disclosed in Figures 15 and Figures 16.

10 Another embodiment of the invention provides a composition comprising one or more polynucleotide sequences identified in Figure 6A which correspond to the genes disclosed in Figure 6.

Another embodiment of the invention provides a composition comprising one or more polynucleotide sequences selected from sequences identified Figure 13.

15 A further aspect of the invention relates to nucleic acid arrays comprising a plurality of chondrocyte enriched or chondrocyte-specific nucleic acid member sequences.

In one embodiment, the invention provides an array comprising a plurality of nucleic acid members, wherein at least one member is differentially expressed in cartilage from a patient diagnosed with mild osteoarthritis, as compared to cartilage from a normal individual,
20 and a solid substrate, wherein each nucleic acid member has a unique position on the array and is stably associated with the solid substrate.

In another embodiment, the invention provides an array comprising a plurality of nucleic acid members, wherein at least one member is differentially expressed in cartilage isolated from a patient diagnosed with severe osteoarthritis, as compared to cartilage from a

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normal individual, and a solid substrate, wherein each nucleic acid member has a unique position on the array and is stably associated with the solid substrate.

5 In another embodiment, the invention provides an array comprising a plurality of nucleic acid members, wherein at least one member is differentially expressed in cartilage isolated from a patient diagnosed with moderate osteoarthritis, as compared to cartilage from a normal individual, and a solid substrate, wherein each nucleic acid member has a unique position on the array and is stably associated with the solid substrate.

10 In another embodiment, the invention provides an array comprising a plurality of nucleic acid members, wherein at least one member is differentially expressed in cartilage isolated from a patient diagnosed with marked osteoarthritis, as compared to cartilage from a normal individual, and a solid substrate, wherein each nucleic acid member has a unique position on the array and is stably associated with the solid substrate.

15 In another embodiment, the invention provides an array comprising a plurality of nucleic acid members, wherein at least one member is differentially expressed in cartilage isolated from a fetus, as compared to cartilage from a normal individual, and a solid substrate, wherein each nucleic acid member has a unique position on the array and is stably associated with the solid substrate.

In a preferred embodiment, cartilage is isolated from a living normal individual.

20 In another preferred embodiment, the cartilage is isolated from the normal individual in less than 14 hours post-mortem.

In another embodiment, the invention provides an array comprising a plurality of nucleic acid members and a solid substrate, where at least one member is differentially expressed in cartilage isolated from any two or more of the following sources: (a) a fetus, (b) patient with mild osteoarthritis, (c) patient with moderate osteoarthritis, (d) patient with marked osteoarthritis, (e) patient with severe osteoarthritis or (f) cartilage isolated from a

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normal individual and where each nucleic acid member has a unique position on the array and is stably associated with the solid substrate.

In one embodiment, each nucleic acid member on an array according to the invention, is at least 50 nucleotides.

5 In another embodiment, an array according to the invention comprises from 10 to 20,000 positions.

In yet another embodiment, an array according to the invention further includes negative and positive control sequences and RNA quality control sequences. Control sequences can be selected from the group consisting of cDNA sequences of housekeeping
10 genes, plant gene sequences (and/or their cDNA sequences), bacterial sequences, PCR products, vector sequences, and combinations thereof.

Another aspect of the invention relates to novel methods for diagnosing osteoarthritis.

In one embodiment, a method for diagnosing mild osteoarthritis in a patient comprises hybridizing a nucleic acid sample corresponding to RNA (e.g., a sample comprising RNA or
15 cDNA or amplified products of RNA or cDNA) to an array comprising a solid substrate and a plurality of nucleic acid members, wherein at least one member is differentially expressed in cartilage isolated from a patient diagnosed with mild osteoarthritis, as compared to cartilage isolated from a normal individual and wherein each nucleic acid member has a unique position and is stably associated with the solid substrate. The cartilage isolated from the
20 normal individual is isolated from cartilage tissue less than 14 hours post-mortem. Hybridization of the nucleic acid sample to one or more of the nucleic acid members is indicative of mild osteoarthritis.

In another embodiment, a method of diagnosing moderate osteoarthritis in a patient comprises hybridizing a nucleic acid sample corresponding to RNA to an array comprising a
25 solid substrate and a plurality of nucleic acid members, wherein at least one member is differentially expressed in cartilage isolated from a patient diagnosed with moderate

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osteoarthritis, as compared to cartilage isolated from a normal individual and wherein each nucleic acid member has a unique position and is stably associated with the solid substrate. Cartilage isolated from the normal individual is isolated from cartilage tissue less than 14 hours post-mortem. Hybridization of the nucleic acid sample to one or more of the nucleic acid members on the array is indicative of moderate osteoarthritis.

In yet another embodiment, a method of diagnosing marked osteoarthritis in a patient comprises hybridizing a nucleic acid sample corresponding to RNA to an array comprising a solid substrate and a plurality of nucleic acid members, wherein at least one member is differentially expressed in cartilage isolated from a patient diagnosed with marked osteoarthritis, as compared to cartilage isolated from a normal individual and each nucleic acid member has a unique position and is stably associated with the solid substrate. Like the above arrays, cartilage isolated from the normal individual is isolated from cartilage tissue less than 14 hours post-mortem. Hybridization of the nucleic acid sample to one or more of the nucleic acid members is indicative of marked osteoarthritis.

In a further embodiment, a method of diagnosing severe osteoarthritis in a patient comprises hybridizing a nucleic acid sample corresponding to RNA to an array comprising a solid substrate and a plurality of nucleic acid members wherein at least one member is differentially expressed in cartilage isolated from a patient diagnosed with severe osteoarthritis, as compared to cartilage isolated from a normal individual and each nucleic acid member has a unique position and is stably associated with the solid substrate. Like the above arrays, cartilage from the normal individual is isolated from cartilage tissue less than 14 hours post-mortem. Hybridization of the nucleic acid sample to one or more of the nucleic acid members is indicative of severe osteoarthritis.

In a preferred embodiment, the method of diagnosis comprises isolating a cartilage sample from a patient at a specific stage of osteoarthritis (e.g., mild, moderate, marked, or severe).

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In another preferred embodiment, the method of diagnosis further comprises the step of preparing an RNA sample from a cartilage sample.

In another preferred embodiment, the method of diagnosis further comprises the step of preparing an RNA sample from blood.

- 5 In another preferred embodiment, the method of diagnosis further comprises the step of preparing an RNA sample from synovial fluid.

Another aspect of the invention relates to a method of identifying an agent that increases or decreases the expression of one or more polynucleotide sequences that are differentially expressed in a chondrocyte derived from a fetus or from patient(s) with a chondrocyte disease selected from the group consisting of: mild osteoarthritis, moderate osteoarthritis, marked osteoarthritis and severe osteoarthritis. The method comprises incubating a chondrocyte isolated from a cartilage sample obtained from a normal individual less than 14 hours post-mortem with a candidate agent. RNA is isolated from the chondrocyte and a probe is hybridized to the RNA which corresponds to a polynucleotide sequence which is differentially expressed in a chondrocyte from any two or more of the following developmental or disease stages: a fetus, normal, mild osteoarthritic, moderate osteoarthritic, marked osteoarthritic and severe osteoarthritic. Differential hybridization of the probe to the RNA from normal individual(s) relative to hybridization of the probe to RNA from any one or more of: fetus(es), patient(s) with mild osteoarthritis, patient(s) with moderate osteoarthritis, patient(s) with marked osteoarthritis and patient(s) with severe osteoarthritis identifies the RNA which specifically hybridizes to the probe as a differentially expressed chondrocyte-specific polynucleotide sequence and identifies the candidate agent as one which increases or decreases the expression of the chondrocyte-specific polynucleotide sequence.

25 The method also can be performed by evaluating cDNA corresponding to RNAs obtained from chondrocytes.

This method also can be performed by evaluating cDNA corresponding to RNAs obtained from blood.

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This method also can be performed by evaluating cDNA corresponding to RNAs obtained from synovial fluid.

The invention further relates to methods of preparing chondrocyte cDNA libraries.

In one embodiment, a method of preparing a chondrocyte cDNA library comprises: a)
5 isolating chondrocytes from a cartilage sample from a normal individual, wherein the cartilage sample is obtained less than 14 hours post-mortem, b) isolating total RNA from the chondrocytes, c) synthesizing cDNA from the mRNA in the total RNA, and d) ligating the cDNA into a vector.

In another embodiment, a method of preparing a chondrocyte cDNA library comprises:
10 a) isolating chondrocytes from a cartilage sample from a normal individual, wherein the normal individual is living, b) isolating total RNA from the chondrocytes, c) synthesizing cDNA from mRNA in the total RNA, and d) ligating the cDNA into a vector.

In another embodiment, a method of preparing a chondrocyte cDNA library comprises: a) isolating chondrocytes from a cartilage sample from a fetus, b) isolating total
15 RNA from the chondrocytes, c) synthesizing cDNA from mRNA in the total RNA, and d) ligating the cDNA into a vector.

In another embodiment, a method of preparing a chondrocyte cDNA library is provided comprising, a) isolating chondrocytes from a cartilage sample from a patient diagnosed with mild, moderate, marked or severe osteoarthritis, b) isolating total RNA from
20 the chondrocytes, c) synthesizing cDNA from mRNA in the total RNA, and d) ligating the cDNA into a vector.

The invention also relates to a method of making an array which comprises a plurality of nucleic acid members comprising nucleic acid sequences selected from the group consisting of sequences of Figure 14 on a solid support comprising a surface with a plurality
25 of pre-selected unique regions. The method comprises: spotting each nucleic acid member

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individually onto a unique pre-selected region, and stably associating each nucleic acid member with the solid support at the pre-selected region.

5 In a preferred embodiment, at least one nucleic acid member is differentially expressed in cartilage isolated from a patient diagnosed with mild, moderate, marked, or severe osteoarthritis, as compared to cartilage isolated from a normal individual, wherein cartilage isolated from the normal individual is isolated from cartilage tissue less than 14 hours post-mortem.

10 In another preferred embodiment, at least one nucleic acid member is differentially expressed in cartilage isolated from a patient diagnosed with mild, moderate, marked, or severe osteoarthritis, as compared to cartilage isolated from a fetus.

In another preferred embodiment, at least one nucleic acid member is differentially expressed in cartilage isolated from a fetus, as compared to a cartilage isolated from a normal individual, wherein cartilage isolated from the normal individual is isolated from cartilage tissue less than 14 hours post-mortem.

15 In another preferred embodiment, at least one nucleic acid member is differentially expressed in cartilage isolated from any two of the following sources: (a) fetus, (b) a normal individual wherein cartilage isolated from the normal individual is isolated from cartilage tissue less than 14 hours post-mortem, and (c) a patient diagnosed with mild osteoarthritis, (d) a patient diagnosed with moderate osteoarthritis, (e) a patient diagnosed with marked
20 osteoarthritis, or (f) a patient diagnosed with severe osteoarthritis.

The invention also provides kits comprising one or more of the compositions and/or arrays described above and packaging means therefore.

Brief Description of the Drawings

25 The objects and features of the invention can be better understood with reference to the following detailed description and drawings.

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Figure 1, is a graph according to one embodiment of the invention showing the relative EST frequency level of selected extracellular matrix (ECM) proteins among the fetal, normal, mildly osteoarthritic and severe osteoarthritic cartilage cDNA libraries. The percentages were calculated by dividing the number of ESTs matched to a certain type of ECM protein by the total number of ECM ESTs per library. Legend: COL=collagen, PGL=proteoglycan, CMP=cartilage matrix proteins, OSN=osteonectin, FN=fibronectin, CRTL 1=cartilage link protein.

Figure 2, is a graph according to one embodiment of the invention showing the relative EST frequency level of collagens among the fetal, normal, mildly osteoarthritic and severely osteoarthritic cartilage cDNA libraries. The percentages were calculated by dividing the total number of collagen ESTs in a particular library by the total number of collagen ESTs from the four cartilage libraries.

Figure 3, is a graph according to one embodiment of the invention showing the relative EST levels of specific collagen types among the fetal, normal, mildly osteoarthritic and severely osteoarthritic cartilage cDNA libraries. Percentages were calculated by dividing the total number of ESTs for each type of collagen in a particular library by the total number of collagen ESTs from each library.

Figure 4, is a graph according to one embodiment of the invention showing the relative EST frequency level of selected chondrocyte genes among the fetal, normal, mild osteoarthritic and severe osteoarthritic cDNA libraries. Percentages were calculated by dividing the number of ESTs for each gene by the total number of unique genes in each library. Legend: DCN=decorin/chondroitin dermatan sulfate proteoglycan (PG40), HSP90=heatshock protein 90/alpha gene sequence, MSF=megakaryocyte stimulating factor/proteoglycan 4/superficial zone protein, B2M=beta 2 microglobulin, MGP=matrix Gla protein, LUM=lumican, TB4=thymosin beta 4, OSF-2=mRNA for osteoblast specific factor 2, CHI=chitinase, Vim=vimentin.

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Figure 5, is a table according to one embodiment of the invention showing the total number of ESTs in each of the four cDNA libraries and the breakdown of what the ESTs represent, including the number of novel sequences (ie. ESTs with no significant match) in each library.

5 Figure 6, is a table according to one embodiment of the invention listing the unique known genes (5,807) identified in the four cDNA libraries to date.

Figure 6A, is a table according to one embodiment of the invention listing the names of the EST sequences identified in the four cDNA libraries that represent each of the unique known genes identified in Figure 6.

10 Figure 6B, is a table according to one embodiment of the invention listing the names of all of the EST sequences identified from the cDNA library constructed from fetal cartilage tissue.

Figure 6C, is a table according to one embodiment of the invention listing the names of all of the EST sequences identified from the cDNA library constructed from normal
15 cartilage tissue where such tissue is obtained less than 14 hours post-mortem.

Figure 6D, is a table according to one embodiment of the invention listing the names of all of the EST sequences identified from the cDNA library constructed from cartilage of patients with mild osteoarthritis.

Figure 6E, is a table according to one embodiment of the invention listing the names
20 of all of the EST sequences identified from the cDNA library constructed from cartilage of patients with severe osteoarthritis.

Figure 7, is a table according to one embodiment of the invention showing the characterization of the total number of ESTs from the four cDNA libraries (57,422) based on the functional classification of unique known genes represented by the ESTs.

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Figure 8, is a list of known and novel EST clones from the mild and severe cDNA libraries comprising a microarray according to one embodiment of the invention.

Figure 9, is a table showing candidate upregulated genes detected in the mild osteoarthritis cDNA library based on the microarray analysis according to one embodiment of the invention.

Figure 10, is a table showing candidate down-regulated genes detected in the mild osteoarthritis cDNA library based on the microarray analysis according to one embodiment of the invention.

Figure 11, is a table showing candidate up-regulated genes detected in the severe osteoarthritis cDNA library based on the microarray analysis according to one embodiment of the invention.

Figure 12, is a table showing candidate down-regulated genes detected in the severe osteoarthritic cDNA library based on the microarray analysis according to one embodiment of the invention.

Figure 13, is a table listing the EST sequence names representing novel sequences identified in each of the four cDNA libraries to date according to one embodiment of the invention.

Figure 14, is a CD ROM, attached hereto, containing all of the EST sequences identified from the four human cartilage cDNA libraries according to one embodiment of the invention. The names of all of the EST sequences on the CD-ROM are listed in Figures 6B, 6C, 6D and 6E.

Figure 15, contains a list of genes that have been identified through EST frequency analysis as being differentially expressed between fetal and normal cDNA libraries according to one embodiment of the invention.

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Figure 16, contains a list of genes that have been identified through EST frequency analysis as being differentially expressed between mild and severe osteoarthritis cDNA libraries according to one embodiment of the invention.

5 Figure 17, is a bar graph showing the level of beta-2 microglobulin (B2M) in synovial fluid from normal individuals and patients with different stages of osteoarthritis according to one embodiment of the invention. Legend: nor=normal individual, mioa=patient with mild osteoarthritis, mooa=patient with moderate osteoarthritis, maoa=patient with marked osteoarthritis, seoa=patient with severe osteoarthritis.

10 Figure 18, is a bar graph showing the level of beta 2 microglobulin (B2M) in medium cultured from cartilage from patients with severe osteoarthritis at varying time periods during culturing according to one embodiment of the invention.

Figure 19, is a black and white representation of a two-color fluorescent scan, according to one embodiment of the invention, showing genes preferentially expressed in non-B2M-treated chondrocytes (which would appear as green spots) and genes preferentially
15 expressed in B2M-treated chondrocytes (which would appear as reddish spots). Genes expressed at approximately equal levels would appear as yellow spots. B2M=beta 2 microglobulin.

Detailed Description of the Invention

20 The invention relates to methods of profiling gene sequences expressed in human chondrocytes to identify differential gene expression in chondrocytes at different stages of development and disease. Differentially expressed genes and their products (e.g., mRNAs and proteins) can be used in methods for diagnosis, prognosis, screening, or treatment of osteoarthritis.

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Definitions

The following definitions are provided for specific terms which are used in the following written description.

As used herein, "osteoarthritis" refers to a chronic disease in which the articular
5 cartilage that lies on the ends of bones that form the articulating surface of the joints gradually
degenerates over time. Cartilage degeneration can be caused by an imbalanced catabolic
activity (removal of "old" cells and matrix components) and anabolic activity (production of
"new" cells and molecules) (Westacott et al., 1996, *Semin Arthritis Rheum*, 25:254-72).

As used herein, "cartilage" or "articular cartilage" refers to elastic, translucent
10 connective tissue in mammals, including human and other species. Cartilage is composed
predominantly of chondrocytes, type II collagen, small amounts of other collagen types, other
noncollagenous proteins, proteoglycans and water, and is usually surrounded by a
perichondrium, made up of fibroblasts, in a matrix of type I and type II collagen as well as
other proteoglycans. Although most cartilage becomes bone upon maturation, some cartilage
15 remains in its original form in locations such as the nose, ears, knees, and other joints. The
cartilage has no blood or nerve supply and chondrocytes are the only type of cell in this tissue.

As used herein, "chondrocyte" refers to cartilage cells.

As used herein, "synovial fluid" refers to fluid secreted from the "synovial sac" which
surrounds each joint. Synovial fluid serves to protect the joint, lubricate the joint and provide
20 nourishment to the articular cartilage. Synovial fluid useful according to the invention
contains cells from which RNA can be isolated according to methods well known in the art as
described herein.

As used herein, the term "osteoarthritis (OA) staging" or "osteoarthritis (OA) grading"
refers to determining the degree of advancement or progression of the disease in the cartilage.
25 In order to classify cartilage into different disease stages, a scoring system is used according to
known methods in the art. Preferably the scoring system described in Marshall (Marshall W.,

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1996, *The Journal of Rheumatology*, 23:582-584, incorporated by reference) is used. According to this method, each of the 6 articular surfaces (patella, femoral trochlea, medial femoral condyle, medial tibial plateau, lateral femoral condyle and lateral tibial plateau) is assigned a cartilage grade based on the worst lesion present on that specific surface. A scoring system is then applied in which each articular surface receives an OA severity number value that reflects the cartilage severity grade for that surface. For example, if the medial femoral condyle has a grade I lesion as its most severe cartilage damage a value of 1 is assigned. A total score for the patient is then derived from the sum of the scores on the 6 articular surfaces. Based on the total score, each patient is placed into one of 4 OA groups: mild (early) (1-6), moderate (7-12), marked (13-18) and severe (>18).

As used herein, "diagnosis" refers to a process of determining if an individual is afflicted with a disease or ailment. "Diagnosis of OA" or "OA diagnosis", according to the invention, means determining if an individual is afflicted with OA, or, once a patient is diagnosed, determining the OA stage or grade as used herein based on the medical history and physical examination of the patient using methods known in the art (i.e., joint X ray). Preferably, OA stages are measured using the scoring system described by Marshall, *supra*. "Prognosis of OA" refers to a prediction of the probable occurrence and/or progression of OA in a patient, as well as the likelihood of recovery from OA, or the likelihood of ameliorating symptoms of OA or the likelihood of reversing the effects of OA.

As used herein, "patient" refers to a mammal who is diagnosed with a mild, moderate, marked, or severe form of OA.

As used herein, "normal" refers to an individual who has not shown any OA symptoms or has not been diagnosed with cartilage injury or OA. "Normal", according to the invention, also refers to a sample taken from a normal individual within 14 hours post-mortem. A normal cartilage tissue sample, for example, refers to the whole or a piece of cartilage isolated from cartilage tissue within 14 hours post-mortem from an individual who was not diagnosed with OA and whose corpse does not show any symptoms of OA at the time of tissue removal. In alternative embodiments of the invention, the "normal" cartilage tissue

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sample is isolated from cartilage tissue less than 14 hours post-mortem, e.g., within 13 hours, 12 hours, 11 hours, 10 hours, 9 hours, 8 hours, 7 hours, 6 hours, 5 hours, 4 hours, 3 hours, 2 hours, or 1 hour post-mortem. In one embodiment of the invention, the "normal" cartilage sample is isolated at 14 hours post-mortem and the integrity of mRNA samples extracted is confirmed.

As used herein, "mRNA integrity" refers to the quality of mRNA extracts from cartilage samples. mRNA extracts with good integrity do not appear to be degraded when examined by methods well known in the art, for example, by RNA agarose gel electrophoresis (e.g., Ausubel et al., John Wiley & Sons, Inc., 1997, *Current Protocols in Molecular Biology*). Preferably, the mRNA samples have good integrity (e.g., less than 10%, preferably, less than 5%, and more preferably, less than 1% of the mRNA is degraded) to truly represent the gene expression levels of the cartilage samples from which they are extracted.

As used herein, "fetal" cartilage samples refer to samples taken from a fetus. The chondrocytes of fetal cartilage have a higher level of metabolic activity and cell division rates as compared to chondrocytes from cartilage derived from either a normal adult or from an adult diagnosed with any stage of OA (mild, moderate, marked and severe).

As used herein, "polynucleotide(s)", which includes "nucleic acid(s)" "nucleic acid sequences", "sequences" and "Express Sequence Tags"(EST(s)), generally refers to any polyribonucleotide or poly-deoxyribonucleotide, which may be unmodified RNA or DNA or modified RNA or DNA. "Polynucleotides" include, without limitation, single- and double-stranded nucleic acids. As used herein, the term "polynucleotide(s)" also includes DNAs or RNAs as described above, that contain one or more modified bases. Thus, DNAs or RNAs with backbones modified for stability or for other reasons are "polynucleotides". The term "polynucleotides" as it is used herein embraces such chemically, enzymatically or metabolically modified forms of polynucleotides, as well as the chemical forms of DNA and RNA characteristic of viruses and cells, including for example, simple and complex cells.

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As used herein, "isolated" or "purified" when used in reference to a nucleic acid means that a naturally occurring sequence has been removed from its normal cellular (e.g., chromosomal) environment or is synthesized in a non-natural environment (e.g., artificially synthesized). Thus, an "isolated" or "purified" sequence may be in a cell-free solution or placed in a different cellular environment. The term "purified" does not imply that the sequence is the only nucleotide present, but that it is essentially free (about 90-95% pure) of non-nucleotide material naturally associated with it, and thus is distinguished from isolated chromosomes.

As used herein, the term "probe" refers to an oligonucleotide which forms a duplex structure with a sequence in the target nucleic acid, due to complementarity of at least one sequence in the probe with a sequence in the target region.

As defined herein, a "nucleic acid array" refers a plurality of unique nucleic acids (or "nucleic acid members") attached to one surface of a solid support at a density exceeding 20 different nucleic acids/cm² wherein each of the nucleic acid members is attached to the surface of the solid support in a non-identical pre-selected region. In one embodiment, the nucleic acid member attached to the surface of the solid support is DNA. In a preferred embodiment, the nucleic acid member attached to the surface of the solid support is cDNA. In another preferred embodiment, the nucleic acid member attached to the surface of the solid support is cDNA synthesized by polymerase chain reaction (PCR). Preferably, a nucleic acid member of the array according to the invention is at least 50 nucleotides in length. Preferably, a nucleic acid member of the array is less than 6,000 nucleotides in length. More preferably, a nucleic acid member of the array comprises an array less than 500 nucleotides in length. In one embodiment, the array comprises at least 500 different nucleic acid members attached to one surface of the solid support. In another embodiment, the array comprises at least 10 different nucleic acid members attached to one surface of the solid support. In yet another embodiment, the array comprises at least 10,000 different nucleic acid members attached to one surface of the solid support. In yet another embodiment, the array comprises at least

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15,000 different nucleic acid members attached to one surface of the solid support. The term "nucleic acid", as used herein, is interchangeable with the term "polynucleotide".

As used herein, "a plurality of" or "a set of" refers to more than two, for example, 3 or more, 100 or more, or 1000 or more, or 10,000 or more.

5 As used herein, "attaching" or "spotting" refers to a process of depositing a nucleic acid onto a solid substrate to form a nucleic acid array such that the nucleic acid is irreversibly bound to the solid substrate via covalent bonds, hydrogen bonds or ionic interactions.

As used herein, "stably associated" refers to a nucleic acid that is irreversibly bound to a solid substrate to form an array via covalent bonds, hydrogen bonds or ionic interactions
10 such that the nucleic acid retains its unique pre-selected position relative to all other nucleic acids that are stably associated with an array, or to all other pre-selected regions on the solid substrate under conditions in which an array is typically analyzed (i.e., during one or more steps of hybridization, washes, and/or scanning, etc.).

As used herein, "solid substrate" or "solid support" refers to a material having a rigid
15 or semi-rigid surface. The terms "substrate" and "support" are used interchangeably herein with the terms "solid substrate" and "solid support". The solid support may be biological, non-biological, organic, inorganic, or a combination of any of these, existing as particles, strands, precipitates, gels, sheets, tubing, spheres, beads, containers, capillaries, pads, slices, films, plates, slides, chips, etc. Often, the substrate is a silicon or glass surface,
20 (poly)tetrafluoroethylene, (poly)vinylidendifluoride, polystyrene, polycarbonate, a charged membrane, such as nylon 66 or nitrocellulose, or combinations thereof. In a preferred embodiment, the solid support is glass. Preferably, at least one surface of the substrate will be substantially flat. Preferably, the surface of the solid support will contain reactive groups, including, but not limited to, carboxyl, amino, hydroxyl, thiol, and the like. In one
25 embodiment, the surface is optically transparent.

As used herein, "pre-selected region", "predefined region", or "unique position" refers to a localized area on a substrate which is, was, or is intended to be used for the deposit of a

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nucleic acid and is otherwise referred to herein in the alternative as a "selected region" or simply a "region." The pre-selected region may have any convenient shape, e.g., circular, rectangular, elliptical, wedge-shaped, etc. In some embodiments, a pre-selected region is smaller than about 1 cm², more preferably less than 1 mm², still more preferably less than 0.5 mm², and in some embodiments less than 0.1 mm². A nucleic acid member at a "pre-selected region", "predefined region", or "unique position" is one whose identity (e.g., sequence) can be determined by virtue of its position at the region or unique position.

As used herein, a "nucleic acid target" or "a target nucleic acid" is defined as a nucleic acid capable of binding to a nucleic acid member of complementary sequence through one or more types of chemical bonds, usually through complementary base pairing, i.e., through hydrogen bond formation. As used herein, a nucleic acid target may include natural (i. e., A, G, C, or T) or modified bases (7-deazaguanosine, inosine, etc.). In addition, the bases in nucleic acid probe may be joined by a linkage other than a phosphodiester bond, so long as it does not interfere with hybridization (i.e., the probe still specifically binds to its complementary sequence under standard stringent or selective hybridization conditions). Thus, nucleic acid targets may be peptide nucleic acids in which the constituent bases are joined by peptide bonds rather than phosphodiester linkages. Preferably, the nucleic acid targets are derived from human cartilage, blood or synovial fluid extracts. More preferably, the nucleic acid targets are single- or double-stranded DNA, RNA, or DNA-RNA hybrids, from human cartilage, blood or synovial fluid RNA extracts, and preferably from mRNA extracts.

As used herein, a "cartilage nucleic acid sample", refers to nucleic acids derived from cartilage. Preferably, a cartilage nucleic acid sample is RNA or is a nucleic acid corresponding to RNA, for example, cDNA.

As used herein, the term "hybridizing to" or "hybridization" refers to the hydrogen binding with a complementary nucleic acid, via an interaction between for example, a target nucleic acid sequence and a nucleic acid member in an array.

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As used herein, "specific hybridization" or "selective hybridization" refers to hybridization which occurs when two nucleic acid sequences are substantially complementary (at least about 65% complementary over a stretch of at least 14 to 25 nucleotides, preferably at least about 75%, more preferably at least about 90% complementary). See Kanehisa, M., 5 1984, *Nucleic acids Res.*, 12:203, incorporated herein by reference. As a result, it is expected that a certain degree of mismatch is tolerated. Such mismatch may be small, such as a mono-, di- or tri-nucleotide. Alternatively, a region of mismatch can encompass loops, which are defined as regions in which there exists a mismatch in an uninterrupted series of four or more nucleotides. Numerous factors influence the efficiency and selectivity of hybridization of two 10 nucleic acids, for example, a nucleic acid member on a array, to a target nucleic acid sequence. These factors include nucleic acid member length, nucleotide sequence and/or composition, hybridization temperature, buffer composition and potential for steric hindrance in the region to which the nucleic acid member is required to hybridize. A positive correlation exists between the nucleic acid member length and both the efficiency and accuracy with 15 which a nucleic acid member will anneal to a target sequence. In particular, longer sequences have a higher melting temperature (T_M) than do shorter ones, and are less likely to be repeated within a given target sequence, thereby minimizing promiscuous hybridization. Hybridization temperature varies inversely with nucleic acid member annealing efficiency, as does the concentration of organic solvents, e.g., formamide, that might be included in a hybridization 20 mixture, while increases in salt concentration facilitate binding. Under stringent annealing conditions, longer nucleic acids, hybridize more efficiently than do shorter ones, which are sufficient under more permissive conditions.

As used herein, the term "differential hybridization" refers to a probe that can hybridize to a same polynucleotide sequence obtained from two or more samples at different 25 levels. A "differential hybridization" means that the ratio of the level of hybridization of the probe to the polynucleotide sequence isolated from one sample as compared to the polynucleotide sequence isolated from another sample is not equal to 1.0. For example, the ratio of the level of hybridization of the probe to the polynucleotide sequence isolated from one sample as compared to the polynucleotide sequence isolated from another sample is

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greater than or less than 1.0 and includes greater than 1.5 and less than 0.7 greater than 2 and less than 0.5. A differential hybridization also exists if the hybridization is detectable in one sample but not another sample.

As herein used, the term "standard stringent conditions" means hybridization will
5 occur only if there is at least 95% and preferably, at least 97% identity between the sequences, wherein the region of identity comprises at least 10 nucleotides. In one embodiment, the sequences hybridize under stringent conditions following incubation of the sequences overnight at 42°C, followed by stringent washes (0.2X SSC at 65° C). As several factors affect the stringency of hybridization, the combination of parameters is more important than
10 the absolute measure of a single factor.

As used herein, the term "level of expression" refers to the measurable expression level of a given nucleic acid. The level of expression of a nucleic acid is determined by methods well known in the art. The term "differentially expressed" or "changes in the level of expression" refers to an increase or decrease in the measurable expression level of a given
15 nucleic acid. As used herein, "differentially expressed" when referring to microarray analysis means the ratio of the level of expression of a given polynucleotide in one sample and the expression level of the given polynucleotide in another sample is not equal to 1.0. "Differentially expressed" when referring to microarray analysis according to the invention also means the ratio of the expression level of a given polynucleotide in one sample and the
20 expression level of the given polynucleotide in another sample where the ratio is greater than or less than 1.0 and includes greater than 1.5 and less than 0.7, as well as greater than 2.0 and less than 0.5. A nucleic acid also is said to be differentially expressed in two samples if one of the two samples contains no detectable expression of the nucleic acid. Absolute quantification of the level of expression of a nucleic acid can be accomplished by including
25 known concentration(s) of one or more control nucleic acid species, generating a standard curve based on the amount of the control nucleic acid and extrapolating the expression level of the "unknown" nucleic acid species from the hybridization intensities of the unknown with respect to the standard curve. The level of expression is measured by hybridization analysis

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using labeled target nucleic acids according to methods well known in the art. The label on the target nucleic acid can be a luminescent label, an enzymatic label, a radioactive label, a chemical label or a physical label. Preferably, target nucleic acids are labeled with a fluorescent molecule. Preferred fluorescent labels include, but are not limited to: fluorescein, amino coumarin acetic acid, tetramethylrhodamine isothiocyanate (TRITC), Texas Red, Cy3 and Cy5.

As used herein "differentially expressed" when referring to EST analysis refers to the relative expression level of a gene based on the frequency of ESTs representing the gene derived from a cDNA library as compared to the frequency of ESTs representing the same gene derived from another cDNA library. As described herein, the "relative EST frequency" of an EST is calculated by dividing the number of ESTs representing each specific gene by the total number of ESTs analyzed. Differences in "relative EST frequency" may be used as an indication of differential gene expression.

As used herein, the term "significant match", when referring to nucleic acid sequences, means that two nucleic acid sequences exhibit at least 65% identity, at least 70%, at least 75%, at least 80%, at least 85%, and preferably, at least 90% identity, using comparison methods well known in the art (i.e., Altschul, S.F. et al., 1997, *Nucl. Acids Res.*, 25:3389-3402; Schäffer, A.A. et al., 1999, *Bioinformatics* 15:1000-1011). As used herein, "significant match" encompasses non-contiguous or scattered identical nucleotides so long as the sequences exhibit at least 65%, and preferably, at least 70%, at least 75%, at least 80%, at least 85%, and preferably, at least 90% identity, when maximally aligned using alignment methods routine in the art.

As used herein, a "novel sequence" or "novel expressed sequence tag (EST)" refers to a nucleic acid sequence which has no significant match to any existing sequence in the "nt", "nr", "est", "gss" and "htg" databases available through NCBI at the time each novel sequence was compared. "No significant match" preferably refers to a less than 65% match between a novel sequence being queried against other sequences in the database, and preferably, a less

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than 50% match, a less than 40% match, or a less than 30% match, after maximally aligning sequences using methods routine in the art.

As used herein, a "known sequence" refers to a nucleic acid sequence which has significant match to at least one existing sequence in the "nt", "nr", "est", "gss" and "htg" databases available through NCBI. "Known sequence with a function" refers to a nucleic acid with significant match to an existing sequence which encodes a polypeptide with a known function. "Known sequence with no function" refers to a nucleic acid that exhibits a significant match to an existing sequence which encodes a polypeptide of unknown function.

As used herein, a "chondrocyte-specific nucleic acid" is a nucleic acid sequence which is expressed at a detectable level in a chondrocyte and is not expressed at a detectable level in any other cell types as indicated by having no significant match to any sequence in any of the available databases comprising sequences from other cell types.

As used herein, a "chondrocyte enriched nucleic acid" or "chondrocyte enriched sequence" refers to a sequence which is differentially expressed in chondrocytes as compared to non-chondrocytes.

As used herein, "indicative of disease" refers to an expression pattern which is diagnostic of disease such that the expression pattern is found significantly more often in patients with a disease than in patients without the disease (as determined using routine statistical methods setting confidence levels at 95%). Preferably, an expression pattern which is indicative of disease is found in at least 70% of patients who have the disease and is found in less than 10% of patients who do not have the disease. More preferably, an expression pattern which is indicative of disease is found in at least 75%, at least 80%, at least 85%, at least 90%, at least 95% or more in patients who have the disease and is found in less than 10%, less than 8%, less than 5%, less than 2.5%, or less than 1% of patients who do not have the disease.

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As used herein, a "gene expression pattern" or "gene expression profile" comprises the pattern of expression of one or more of a set of nucleic acid sequences where one or more members of the set are differentially expressed.

5 As used herein, "a nucleic acid array expression profile" is generated from the hybridization of nucleic acids derived from a sample to one or more nucleic acid members comprising an array according to the invention.

As used herein, a "therapeutic agent" or "agent" refers to a compound that increases or decreases the expression of a polynucleotide sequence that is differentially expressed in a chondrocyte from any two of the following developmental or osteoarthritis disease stages: (a) fetal, (b) mild, (c) moderate, (d) marked and (e) severe, or (f) chondrocyte from a normal individual, as defined herein. A therapeutic agent according to the invention also refers to a compound that increases or decreases the anabolic activity of a chondrocyte. The invention provides for a "therapeutic agent" that 1) prevents the onset of osteoarthritis; 2) reduces, delays, or eliminates osteoarthritis symptoms such as pain, swelling, weakness and loss of functional ability in the afflicted joints; 3) reduces, delays, or eliminates cartilage degeneration, and/or enhances chondrocyte metabolic activity and cell division rates; and/or 4) restores one or more expression profiles of one or more disease-indicative nucleic acids of a patient to a profile more similar to that of a normal individual when administered to a patient.

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Identifying Chondrocyte Enriched and Chondrocyte-Specific Polynucleotide Sequences

20 cDNA libraries were constructed from human fetal, normal, mild osteoarthritic and severe osteoarthritic cartilage samples. The known and novel clones derived from these libraries were then used to construct human chondrocyte-specific microarrays to generate differential gene expression profiles useful as a diagnostic tool for detection of mild (early stage) osteoarthritis. Arrays of the invention are useful as a gold standard for osteoarthritis diagnosis and for use to identify and monitor therapeutic efficacy of new drug targets.

25

One effective and rapid way of characterizing gene expression patterns in a given tissue is through large-scale partial sequencing of a cDNA library produced from such a tissue

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to generate expressed sequence tags (ESTs). This approach has provided both quantitative and qualitative information on gene expression in a variety of tissues and cells (4-7). Since cDNA libraries represent gene transcription in the cells of the tissue used to construct the library, gene expression profiles generated by random sampling and sequencing is used for
5 detailed genetic-level comparison between developmental, normal and pathological states of the tissue examined.

Many human genes are expressed at different levels in cartilage of different developmental (fetal vs. mature) or disease states. In some cases, a gene is not expressed at all in some developmental or disease states, and at high levels in others (see Figure 6, 15 and
10 16 for examples). According to the invention, differential analysis of chondrocyte gene expression during different stages of cartilage developmental and in different disease states using an EST-based approach has identified genes that play important roles in osteoarthritis pathogenesis and cartilage repair. The advantage of this method is that it provides gene expression information on a larger scale than other methods. The cDNA clones generated by
15 this approach are also useful for functional studies of certain genes. This type of genomic-based approach has provided important novel insights into our understanding of the osteoarthritis disease process and provides for novel diagnostic, prognostic and therapeutic approaches.

Samples

20 Cartilage

In one aspect, cartilage is obtained from a fetus using methods known in the art. The chondrocytes of fetal cartilage have a higher level of metabolic activity and cell division rates as compared to chondrocytes from cartilage from either a normal adult or from an individual diagnosed with any stage of osteoarthritis (mild, moderate, marked and severe).

25 In another aspect, cartilage is obtained from a normal individual who is alive or is obtained from cartilage tissue less than 14 hours post mortem, according to methods known in the art and described below. Normal articular cartilage from human adults are obtained using

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any known method. However, truly normal cartilage cannot generally be sampled from live donors due to ethical considerations. Preferably, normal cartilage samples are obtained from deceased donors, within a fourteen-hour post-mortem window after cessation of perfusion to the sampled joint, to minimize the degradation of RNA observed beyond the window. In other embodiments, the "normal" tissue is obtained less than 14 hours post-mortem, such as 13, 12, 11, 10, 9, 8, 6, 4, 2, or 1 hour post-mortem. A baboon study was conducted to confirm this approach and is described herein below in Example 11. Preferably the normal cartilage is obtained less than 14 hours post-mortem. More preferably, the normal cartilage is obtained less than 12 hours post-mortem.

10 Preferably, cartilage also is isolated from the following disease stages of osteoarthritis: mild, marked, moderate and severe. Human cartilage samples from osteoarthritic individuals are obtained using any known method. Preferably the cartilage is obtained from individuals undergoing arthroscopy or total knee replacements and samples are stored in liquid nitrogen until needed. In a preferred embodiment, a minimum of 0.05 g of cartilage sample is isolated to obtain 2 µg total RNA extract for the construction of a cDNA library. In another preferred embodiment, a minimum of 0.025 g cartilage sample is isolated to obtain 1 µg total RNA extract to use as a target sample for a microarray. A cartilage sample that is useful according to the invention is in an amount that is sufficient for the detection of one or more polynucleotide sequences according to the invention.

20 Blood and Synovial Fluid

Samples useful according to the invention also include blood and synovial fluid samples.

In one aspect, blood is obtained from a normal patient or from an individual diagnosed with, or suspected of having, osteoarthritis according to methods of phlebotomy well known in the art. A blood sample useful according to the invention is in an amount ranging from 1 µl to 100ml, preferably 10 µl to 50 ml, more preferably 10 µl to 25ml and most preferably 10 µl to 1 ml. A blood sample that is useful according to the invention is in an amount that is

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sufficient for the detection of one or more polynucleotide sequences according to the invention. In one embodiment, polynucleotides contained within the blood sample are amplified, for example, by polymerase chain reaction (PCR) or by RT-PCR. Other amplification methods known in the art are also encompassed within the scope of the invention (e.g., ligase chain reaction, NASBA, 3SR, and the like).

A synovial fluid sample is obtained from an individual diagnosed with, or suspected of having osteoarthritis according to methods well known in the art. Preferably, synovial fluid is collected from a human knee joint by aspiration at arthroscopy. A synovial fluid sample useful according to the invention is in an amount ranging from 0.1 ml to 20 ml and preferably 0.5 ml to 10 ml. A synovial fluid sample that is useful according to the invention is in an amount that is sufficient for the detection of one or more polynucleotide sequences according to the invention.

Developmental and Disease Stages of Articular Cartilage

Chondrocytes are preferably obtained from any of the following developmental and disease stages: fetal, normal, mild osteoarthritic, moderate osteoarthritic, marked osteoarthritic or severe osteoarthritic.

Cartilage isolated from a human fetus (e.g., during fetal development) is characterized above, and is useful according to the invention for analysis of fetal chondrocytes.

Cartilage isolated from a "normal" individual, defined herein, also is useful according to the invention for isolation and analysis of "normal" chondrocytes.

Cartilage isolated from a patient diagnosed with any one of: mild, moderate, marked and severe osteoarthritis also is useful in the present invention.

In order to classify cartilage according to disease state, a scoring system is used, whereby subjective decisions by the arthroscopist are minimized. The scoring system which defines disease states described herein is that of Marshall, *supra*, incorporated herein by

reference. According to this method, each of the 6 articular surfaces (patella, femoral trochlea, medial femoral condyle, medial tibial plateau, lateral femoral condyle and lateral tibial plateau) is assigned a cartilage grade based on the worst lesion present on that specific surface. A scoring system is then applied in which each articular surface receives an
 5 osteoarthritis severity number value that reflects the cartilage severity grade for that surface, as described in Table 1.

| Table 1. Articular Cartilage Grading System | | |
|---|--|--------|
| Grade | Articular Cartilage | Points |
| 0 | Normal | 0 |
| I | Surface intact-softening, edema | 1 |
| II | Surface-disrupted-partial thickness lesions (no extension to bone) | 2 |
| III | Full thickness lesions-extensions to intact bone | 3 |
| IV | Bone erosion or eburnation | 4 |

For example, if the medial femoral condyle has a grade I lesion as its most severe cartilage damage, a value of 1 is assigned. A total score for the patient is then derived from the sum of the scores of the 6 articular surfaces. Based on the total score, each patient is
 10 placed into one of 4 osteoarthritis groups: mild (1-6), moderate (7-12), marked (13-18) and severe (>18).

RNA Preparation

In one aspect, RNA is isolated from cartilage samples from various disease or developmental stages as described herein. Samples can be from single patients or can be
 15 pooled from multiple patients.

In another aspect, RNA is isolated directly from synovial fluid of persons with various disease or developmental stages of osteoarthritis as described herein. Samples can be from single patients or can be pooled from multiple patients.

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In another aspect, RNA is isolated directly from blood samples of persons with various disease or developmental stages of osteoarthritis as described herein. Samples can be from single patients or can be pooled from multiple patients.

Total RNA is extracted from the cartilage samples according to methods well known in the art. In one embodiment, RNA is purified from cartilage tissue according to the following method. Following removal of a tissue of interest from an individual or patient, the tissue is quick frozen in liquid nitrogen, to prevent degradation of RNA. Upon the addition of a volume of tissue guanidinium solution, tissue samples are ground in a tissuemizer with two or three 10-second bursts. To prepare tissue guanidinium solution (1 L) 590.8 g guanidinium isothiocyanate is dissolved in approximately 400 ml DEPC-treated H₂O. 25 ml of 2 M Tris-Cl, pH 7.5 (0.05 M final) and 20 ml Na₂EDTA (0.01 M final) is added, the solution is stirred overnight, the volume is adjusted to 950 ml, and 50 ml 2-ME is added.

Homogenized tissue samples are subjected to centrifugation for 10 min at 12,000 x g at 12°C. The resulting supernatant is incubated for 2 min at 65°C in the presence of 0.1 volume of 20% Sarkosyl, layered over 9 ml of a 5.7M CsCl solution (0.1g CsCl/ml), and separated by centrifugation overnight at 113,000 x g at 22°C. After careful removal of the supernatant, the tube is inverted and drained. The bottom of the tube (containing the RNA pellet) is placed in a 50 ml plastic tube and incubated overnight (or longer) at 4°C in the presence of 3 ml tissue resuspension buffer (5 mM EDTA, 0.5% (v/v) Sarkosyl, 5% (v/v) 2-ME) to allow complete resuspension of the RNA pellet. The resulting RNA solution is extracted sequentially with 25:24:1 phenol/chloroform/isoamyl alcohol, followed by 24:1 chloroform/isoamyl alcohol, precipitated by the addition of 3 M sodium acetate, pH 5.2, and 2.5 volumes of 100% ethanol, and resuspended in DEPC water (Chirgwin et al., 1979, *Biochemistry*, 18:5294).

Alternatively, RNA is isolated from cartilage tissue according to the following single step protocol. The tissue of interest is prepared by homogenization in a glass teflon homogenizer in 1 ml denaturing solution (4M guanidinium thiosulfate, 25 mM sodium citrate, pH 7.0, 0.1M 2-ME, 0.5% (w/v) N-laurylsarkosine) per 100mg tissue. Following transfer of

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the homogenate to a 5-ml polypropylene tube, 0.1 ml of 2 M sodium acetate, pH 4, 1 ml water-saturated phenol, and 0.2 ml of 49:1 chloroform/isoamyl alcohol are added sequentially. The sample is mixed after the addition of each component, and incubated for 15 min at 0-4°C after all components have been added. The sample is separated by centrifugation for 20 min at 10,000 x g, 4°C, precipitated by the addition of 1 ml of 100% isopropanol, incubated for 30 minutes at -20°C and pelleted by centrifugation for 10 minutes at 10,000 x g, 4°C. The resulting RNA pellet is dissolved in 0.3 ml denaturing solution, transferred to a microfuge tube, precipitated by the addition of 0.3 ml of 100% isopropanol for 30 minutes at -20°C, and centrifuged for 10 minutes at 10,000 x g at 4°C. The RNA pellet is washed in 70% ethanol, dried, and resuspended in 100-200µl DEPC-treated water or DEPC-treated 0.5% SDS (Chomczynski and Sacchi, 1987, *Anal. Biochem.*, 162:156).

Preferably, the cartilage samples are finely powdered under liquid nitrogen and total RNA is extracted using TRIzol® reagent (GIBCO/BRL).

Alternatively, RNA is isolated from blood by the following protocol. Lysis Buffer is added to blood sample in a ratio of 3 parts Lysis Buffer to 1 part blood (Lysis Buffer (1L) 0.6g EDTA; 1.0g KHCO₂, 8.2g NH₄Cl adjusted to pH 7.4 (using NaOH)). Sample is mixed and placed on ice for 5-10 minutes until transparent. Lysed sample is centrifuged at 1000 rpm for 10 minutes at 4°C, and supernatant is aspirated. Pellet is resuspended in 5ml Lysis Buffer, and centrifuged again at 1000 rpm for 10 minutes at 4°C. Pelleted cells are homogenized using TRIzol® (GIBCO/BRL) in a ratio of approximately 6ml of TRIzol® for every 10ml of the original blood sample and vortexed well. Samples are left for 5 minutes at room temperature. RNA is extracted using 1.2 ml of chloroform per 1 ml of TRIzol®. Sample is centrifuged at 12,000 x g for 5 minutes at 4°C and upper layer is collected. To upper layer, isopropanol is added in ratio of 0.5 ml per 1 ml of TRIzol®. Sample is left overnight at -20°C or for one hour at -20°C. RNA is pelleted in accordance with known methods, RNA pellet air dried, and pellet resuspended in DEPC treated ddH₂O. RNA samples can also be stored in 75% ethanol wherein said samples are stable at room temperature for transportation.

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Alternatively, RNA is isolated from synovial fluid using TRIzol® reagent (GIBCO/BRL).

Purity and integrity of RNA is assessed by absorbance at 260/280nm and agarose gel electrophoresis followed by inspection under ultraviolet light.

5 Construction of cDNA libraries

cDNA libraries are constructed according to methods well known in the art (see for example Ausubel, *supra*, and Sambrook, *supra*, incorporated herein by reference).

In one aspect, cDNA samples, i.e., DNA that is complementary to RNA such as mRNA are prepared. The preparation of cDNA is well-known and well-documented in the
10 prior art.

cDNA may be prepared according to the following method. Total cellular RNA is isolated (as described) and passed through a column of oligo(dT)-cellulose to isolate polyA RNA. The bound polyA mRNAs are eluted from the column with a low ionic strength buffer. To produce cDNA molecules, short deoxythymidine oligonucleotides (12-20 nucleotides) are
15 hybridized to the polyA tails to be used as primers for reverse transcriptase, an enzyme that uses RNA as a template for DNA synthesis. Alternatively, or additionally, mRNA species are primed from many positions by using short oligonucleotide fragments comprising numerous sequences complementary to the mRNA of interest as primers for cDNA synthesis. The resultant RNA-DNA hybrid is converted to a double stranded DNA molecule by a variety of
20 enzymatic steps well-known in the art (Watson et al., 1992, *Recombinant DNA*, 2nd edition, Scientific American Books, New York).

To construct a cDNA library, the poly (A)⁺ RNA fraction may be isolated by oligo-dT cellulose chromatography (Pharmacia), and 3-5 ug poly (A)⁺ RNA is used to construct a cDNA library in the λ ZAP Express vector (Stratagene). Alternatively, cDNA libraries may
25 be constructed into λTriplEx2 vector through a PCR-based method, using SMART (Switching Mechanism At 5' end of RNA Transcript) cDNA Library Construction Kit (Clontech). First-

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strand cDNA is synthesized with an Xho I-oligo (dT) adapter-primer in the presence of 5'-methyl dCTP. After second-strand synthesis and ligation of EcoRI adapters, the cDNAs are digested with Xho I, resulting in cDNA flanked by EcoRI sites at the 5'-ends and Xho I sites at the 3'-ends. Digested cDNAs are size-fractionated in Sephacryl S-500 spin columns
5 (Stratagene), then ligated into the λ ZAP Express vector predigested with EcoRI and Xho I. The resulting DNA/cDNA concatamers are packaged using Gigapack Gold packaging extracts. After titration, aliquots of primary packaging mix are stored in 7% DMSO at -80°C as primary library stocks, and the rest are amplified to establish stable library stocks.

From the amplified library, phage plaques are plated onto an appropriate medium.
10 Preferably, phage plaques are plated at a density of 200-500 pfu/150 mm plate onto an *Escherichia coli* XL1-blue MRF' lawn with IPTG/X-gal for color selection. The plaques are then randomly picked and positive inserts are identified by polymerase chain reaction (PCR), according to methods well known in the art and described hereinbelow. Preferably, plaques are picked into 75 ul suspension media buffer (100 mM NaCl, 10 mM MgSO₄, 1 mM Tris,
15 pH7.5, 0.02% gelatin). Phage elutes (5 ul) may be used for PCR reactions (50 ul total volume) with 125 umol/L of each dNTP (Pharmacia), 10 pmol each of modified T3 (5'-GCCAAGCTCGAAATTAACCCTCACTAAAGGG-3') and T7 (5'-CCAGTGAATTGTAATACGACTCACTATAGGGCG-3') primers, and 2 U of Taq DNA polymerase (Pharmacia). Reactions are cycled in a DNA Thermal Cycler (Perkin-Elmer)
20 [denaturation at 95°C for 5 minutes, followed by 30 cycles of amplification (94°C, 45 seconds; 55°C, 30 seconds; 72°C, 3 minutes) and a terminal isothermal extension (72°C, 3 minutes)]. Agarose gel electrophoresis is used to assess the presence and purity of inserts.

The PCR product is then subjected to DNA sequencing using known methods (see Ausubel et al., *supra* and Sambrook et al., *supra*). Methods of sequencing employ such
25 enzymes as the Klenow fragment of DNA polymerase I, Sequenase® (US Biochemical Corp, Cleveland, OH), Taq polymerase (Perkin Elmer, Norwalk, CT), thermostable T7 polymerase (Amersham, Chicago, IL), or combinations of recombinant polymerases and proofreading exonucleases such as the ELONGASE Amplification System (Gibco BRL, Gaithersburg,

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MD). Preferably, the process is automated with machines such as the Hamilton Micro Lab 2200 (Hamilton, Reno NV), Peltier Thermal Cycler (PTC200; MJ Research, Watertown, MA), the ABI 377 DNA sequencers (Perkin Elmer), and the PE Biosystems ABI Prism 3700 DNA Analyzer..

5 PCR products are first subjected to DNA sequencing reactions using specific primers, BigDye™ Terminator Cycle Sequencing v2.0 Ready Reaction (PE Biosystems), Tris MgCl buffer and water in a thermocycler. Sequencing reactions were incubated at 94°C for 2 minutes, followed by 25 cycles of 94°C, 30 seconds; 55°C, 20 seconds; and 72°C, 1 minute; and 15 cycles of 94°C, 30 seconds; and 72°C for 1 minute; and 72°C for 5 minutes. Reactions
10 were then put on hold at 4°C until purified using methods well known in the prior art (i.e. alcohol precipitation or ethanol precipitation). Automated sequencing is preferably carried out with a PE Biosystems ABI Prism 3700 DNA Analyzer.

PCR

15 In one aspect, polynucleotide sequences of the invention are amplified by the polymerase chain reaction (PCR). PCR methods are well-known to those skilled in the art.

20 PCR provides a method for rapidly amplifying a particular polynucleotide sequence by using multiple cycles of DNA replication catalyzed by a thermostable, DNA-dependent DNA polymerase to amplify the target sequence of interest. PCR requires the presence of a nucleic acid to be amplified, two single-stranded oligonucleotide primers flanking the sequence to be amplified, a DNA polymerase, deoxyribonucleoside triphosphates, a buffer and salts.

 The method of PCR is well known in the art. PCR, is performed as described in Mullis and Faloona, 1987, *Methods Enzymol.*, 155: 335, herein incorporated by reference.

25 PCR is performed using template DNA (at least 1fg; more usefully, 1-1000 ng) and at least 25 pmol of oligonucleotide primers. A typical reaction mixture includes: 2µl of DNA, 25 pmol of oligonucleotide primer, 2.5 µl of 10H PCR buffer 1 (Perkin-Elmer, Foster City, CA), 0.4 µl of 1.25 µM dNTP, 0.15 µl (or 2.5 units) of Taq DNA polymerase (Perkin Elmer,

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Foster City, CA) and deionized water to a total volume of 25 μ l. Mineral oil is overlaid and the PCR is performed using a programmable thermal cycler.

The length and temperature of each step of a PCR cycle, as well as the number of cycles, are adjusted according to the stringency requirements in effect. Annealing temperature and timing are determined both by the efficiency with which a primer is expected to anneal to a template and the degree of mismatch that is to be tolerated. The ability to optimize the stringency of primer annealing conditions is well within the knowledge of one of moderate skill in the art. An annealing temperature of between 30°C and 72°C is used. Initial denaturation of the template molecules normally occurs at between 92°C and 99°C for 4 minutes, followed by 20-40 cycles consisting of denaturation (94-99°C for 15 seconds to 1 minute), annealing (temperature determined as discussed above; 1-2 minutes), and extension (72°C for 1 minute). The final extension step is generally carried out for 4 minutes at 72°C, and may be followed by an indefinite (0-24 hour) step at 4°C.

Several techniques for detecting PCR products quantitatively without electrophoresis may be useful according to the invention. One of these techniques, for which there are commercially available kits such as TaqmanTM (Perkin Elmer, Foster City, CA), is performed with a transcript-specific antisense probe. This probe is specific for the PCR product (e.g. a nucleic acid fragment derived from a gene) and is prepared with a quencher and fluorescent reporter probe complexed to the 5' end of the oligonucleotide. Different fluorescent markers are attached to different reporters, allowing for measurement of two products in one reaction. When Taq DNA polymerase is activated, it cleaves off the fluorescent reporters of the probe bound to the template by virtue of its 5'-to-3' exonuclease activity. In the absence of the quenchers, the reporters now fluoresce. The color change in the reporters is proportional to the amount of each specific product and is measured by a fluorometer; therefore, the amount of each color is measured and the PCR product is quantified. The PCR reactions are performed in 96 well plates so that samples derived from many individuals are processed and measured simultaneously. The TaqmanTM system has the additional advantage of not requiring gel electrophoresis and allows for quantification when used with a standard curve.

Polynucleotide Sequences Useful According to the Invention

The invention provides for isolated polynucleotide sequences including ESTs which can be used as probes, arrayed on microarrays, and/or used for the development of therapies to treat osteoarthritis.

5 In one aspect, cartilage gene expression profiles at different developmental stages are identified. Another aspect of the invention is to monitor cartilage gene expression profiles of osteoarthritis patients diagnosed with different stages of osteoarthritis. A third aspect of the invention is to screen for potential therapeutic agents which alter the gene expression profile of diseased cartilage cells. The invention therefore provides for polynucleotide sequences that
10 are present at each of the following developmental and disease stages: normal, fetal, mild osteoarthritic, moderate osteoarthritic, marked osteoarthritic and severe osteoarthritic. The invention also provides for polynucleotide sequences that are differentially expressed in any two of the following developmental and disease stages: normal, fetal, mild osteoarthritic, moderate osteoarthritic, marked osteoarthritic and severe osteoarthritic.

15 Polynucleotides useful according to the invention are prepared by isolating cartilage tissue samples from a developmental or disease stage (normal, fetal, mild osteoarthritic, moderate osteoarthritic, marked osteoarthritic and severe osteoarthritic), preparing a cDNA library (as described above), and performing large-scale partial sequencing (described herein) of the cDNA library to generate Expressed Sequence Tags (ESTs). An EST useful according
20 to the invention is preferably in the range of 50-1000 nucleotides and most preferably 50-500 nucleotides in length.

The invention provides for polynucleotide sequences or ESTs that are categorized as "novel" or "known", including "known sequences with a function" and "known sequences without a known function", all defined herein.

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Nucleic Acid Members and Probes

In one aspect, the invention provides nucleic acid members and probes that bind specifically to a target nucleic acid sequence (e.g., present in a cartilage nucleic acid sample).

5 Nucleic acid members are stably associated with a solid support to comprise an array according to the invention. The length of a nucleic acid member can range from 50 to 6000 nucleotides, 100 to 500 nucleotides, and in other embodiments, from 500 to 1500 nucleotides. The nucleic acid members may be single or double stranded, and/or may be PCR fragments amplified from cDNA.

10 The invention also provides for polynucleotide sequences comprising a probe. In a certain embodiment, a probe is labeled, according to methods known in the art. A probe according to the invention is 50 to 5000 nucleotides, more preferably 100-500 nucleotides and most preferably 50 to 250 nucleotides in length. The probe may be single or double stranded, and may be a PCR fragment amplified from cDNA.

15 The nucleic acid members and probes according to the invention can be used to detect target sequences such as chondrocyte enriched or chondrocyte-specific sequences, and preferably sequences whose presence in a sample are indicative, or diagnostic or prognostic, of a stage of osteoarthritis.

The target nucleic acid sequences to be analyzed are preferably from human cartilage, blood or synovial fluid and preferably comprise RNA or nucleic acid corresponding to RNA,
20 (i.e., cDNA or amplified products of RNA or cDNAs).

Data Acquisition and Analysis of EST Sequences

The invention provides for EST sequences including "novel sequences", "novel expressed sequence tags (ESTs)" and "known sequences" including "known sequences with a function" and "known sequences with no known function".

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The generated EST sequences are searched against available databases, including the "nt", "nr", "est", "gss" and "htg" databases available through NCBI to determine putative identities for ESTs matching to known genes or other ESTs. Relative EST frequency level can then be calculated using known methods. Functional characterization of ESTs with known gene matches are made according to any known method. Preferably, generated EST sequences are compared to the non-redundant Genbank/EMBL/DDBJ and dbEST databases using the BLAST algorithm (8). A minimum value of $P = 10^{-10}$ and nucleotide sequence identity >95%, wherein the sequence identity is non-contiguous or scattered, are required for assignments of putative identities for ESTs matching to known genes or to other ESTs.

10 Construction of a non-redundant list of genes represented in the EST set is done with the help of Unigene, Entrez and PubMed at the National Center for Biotechnology Information (NCBI) site (<http://www.ncbi.nlm.nih.gov/>). Relative gene expression frequency is calculated by dividing the number of EST copies for each gene by the total number of ESTs analyzed.

Genes are identified from ESTs according to known methods. To identify novel genes from an EST sequence, the EST should preferably be at least 100 nucleotides in length, and more preferably 150 nucleotides in length, for annotation. Preferably, the EST exhibits open reading frame characteristics (i.e., can encode a putative polypeptide).

Because of the completion of the Human Genome Project, a specific EST which matches with a genomic sequence can be mapped onto a specific chromosome based on the chromosomal location of the genomic sequence. However, no function may be known for the protein encoded by the sequence and the EST would then be considered "novel" in a functional sense. In one aspect, the invention is used to identify a novel EST which is part of a larger known sequence for which no function is known is used to determine the function of a gene comprising the EST (e.g., such as the role of expression products produced by the gene in chondrogenesis and/or in a pathology affecting chondrocytes). Alternatively, or additionally, the EST can be used to identify an mRNA or polypeptide encoded by the larger sequence as a diagnostic or prognostic marker of chondrogenesis and/or of a pathology affecting chondrocytes.

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Having identified an EST corresponding to a larger sequence as chondrocyte enriched or chondrocyte-specific, other portions of the larger sequence which comprises the EST can be used in assays to elucidate gene function, e.g., to isolate polypeptides encoded by the gene, to generate antibodies specifically reactive with these polypeptides, to identify binding
5 partners of the polypeptides (receptors, ligands, agonists, antagonists and the like) and/or to detect the expression of the gene (or lack thereof) in chondrocytes in fetal, adult, normal, and/or diseased individuals.

In another aspect, the invention provides for polynucleotide sequences that do not demonstrate a "significant match" to any of the publicly known sequences in sequence
10 databases at the time a query is done. Longer genomic segments comprising these types of novel EST sequences can be identified by probing genomic libraries, while longer expressed sequences can be identified in cDNA libraries and/or by performing polymerase extension reactions (e.g., RACE) using EST sequences to derive primer sequences as is known in the art. Longer fragments can be mapped to particular chromosomes by FISH and other
15 techniques and their sequences compared to known sequences in genomic and/or expressed sequence databases and further functional analysis can be performed as described above.

Using the methods according to the invention, out of a total of 57,422 ESTs from the four cDNA libraries, no significant match was found for 618 sequences. The remaining sequences were characterized as shown in Figure 5.

20 Identified genes can be catalogued according to their putative function. Functional characterization of ESTs with known gene matches is preferably made according to the categories described by Hwang et al (5). The distribution of genes in each of the subcellular categories is indicative of the dynamic state of the tissue and will provide important insights into the osteoarthritis disease process. The results of this analysis are provided in Figure 7
25 where the total number of ESTs identified by the method in different human cartilage libraries are characterized based on the functional classification of known genes identified in each library.

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Alternative methods for analyzing ESTs are also available. For example, the ESTs from each library may be assembled into contigs with sequence alignment, editing, and assembly programs such as PHRED and PHRAP (Ewing, et al., 1998, *Genome Res.* 3:175, incorporated herein; <http://bozeman.genome.washington.edu/>). Contig redundancy is reduced
5 by clustering nonoverlapping sequence contigs using the EST clone identification number, which is common for the nonoverlapping 5' and 3' sequence reads for a single EST cDNA clone. In one aspect, the consensus sequence from each cluster is compared to the non-redundant Genbank/EMBL/DDBJ and dbEST databases using the BLAST algorithm with the help of unigene, Entrez and PubMed at the NCBI site.

10 *Known Polynucleotide Sequences or ESTs and Novel Polynucleotide Sequences or ESTs*

An EST that exhibits a significant match (> 65%, and preferably 90% or greater, identity) to at least one existing sequence in an existing polynucleotide sequence database is characterized as a "known" sequence according to the invention. Within this category, some known ESTs match to existing sequences which encode polypeptides with known function(s)
15 and are referred to as a "known sequence with a function". Other "known" ESTs exhibit significant match to existing sequences which encode polypeptides of unknown function(s) and are referred to as a "known sequence with no known function".

In one aspect, the invention also provides for known polynucleotide sequences that are chondrocyte enriched or chondrocyte-specific.

20 EST sequences which have no significant match (less than 65% identity) to any existing sequence in the above cited available databases are categorized as novel ESTs. These novel ESTs are considered chondrocyte-specific since they are not matched to any other genes or ESTs derived from any other tissue. To identify a novel gene from an EST sequence, the EST is preferably at least 150 nucleotides in length. More preferably, the EST encodes at
25 least part of an open reading frame, that is, a polynucleotide sequence between a translation initiation codon and a termination codon, which is potentially translated into a polypeptide sequence.

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The invention provides for known and novel polynucleotide sequences that are uniquely expressed in normal, fetal, mild osteoarthritic, moderate osteoarthritic, marked osteoarthritic and severe osteoarthritic cartilage. Figures 6 and 13, show unique known genes and names of the novel sequences identified to date in the fetal, normal, mild osteoarthritic and severe osteoarthritic cDNA libraries using the methods according to the invention.

The invention also provides for known and novel polynucleotide sequences that are upregulated and downregulated in normal, fetal, mild osteoarthritic, moderate osteoarthritic, marked osteoarthritic and severe osteoarthritic cartilage. In one aspect, polynucleotide sequences are enriched in chondrocytes compared to cells which are non-chondrocytes, or in chondrocytes from individuals with osteoarthritis compared to normal individuals, or in chondrocytes from particular stages of development or disease compared to particular other stages of development or disease.

The invention also provides for polynucleotide sequences that are differentially expressed in cartilage from any two of the following developmental and disease stages: fetal, normal, mild osteoarthritic, moderate osteoarthritic, marked osteoarthritic and severe osteoarthritic.

Relative EST frequency is calculated by dividing the number of EST copies for each gene by the total number of ESTs analyzed. The chondrocyte-specific expression of a number of novel ESTs has been confirmed by methods known in the art. Useful methods for measuring gene expression in a tissue include RT PCR, Northern blot, etc.

Novel Nucleic Acid Molecules

Many of the novel nucleic acid molecules of the present invention are differentially expressed between the mild and severe osteoarthritis disease states and are thus useful as potential drug targets or markers for the osteoarthritis disease process. The invention also provides one or more nucleic acid molecules that are differentially expressed in two or more of the following developmental and disease stages: fetal, normal, mild osteoarthritic, moderate osteoarthritic, marked osteoarthritic and severe osteoarthritic. The invention further provides

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for one or more novel clones that are differentially expressed in two or more of the following developmental and disease stages: fetal, normal, mild osteoarthritic, moderate osteoarthritic, marked osteoarthritic and severe osteoarthritic.

Microarrays

5 Polynucleotide Microarrays

Any combination of the polynucleotide sequences generated from any of the chondrocyte cDNA libraries are used for the construction of a microarray. In one embodiment, the microarray is chondrocyte-specific and is anticipated to encompass the entire spectrum of genes that are important in the osteoarthritis disease process. A microarray
10 according to the invention preferably comprises between 10 and 20,000 nucleic acid members, and more preferably comprises at least 5000 nucleic acid members. The nucleic acid members are known or novel polynucleotide sequences described herein, or any combination thereof. A microarray according to the invention is used to confirm differential gene expression profiles of genes that are specifically expressed at different cartilage development
15 and osteoarthritis disease stages.

The invention also provides for a microarray comprising genes that are differentially expressed between normal and mild osteoarthritis patients to allow for the identification of early risk factors for osteoarthritis development. The invention also provides for a microarray for osteoarthritis diagnosis comprising one or more polynucleotide sequences that are
20 differentially expressed between a normal individual and a patient diagnosed with mild, moderate, marked or severe osteoarthritis. Such arrays also may be used for prognostic methods to monitor a patient's response to therapy. Preferably, an array for osteoarthritis diagnosis comprises 10-20,000 nucleic acid members and more preferably 50-15,000 nucleic acid members. In one embodiment, the above microarrays are used to identify a therapeutic
25 agent that modulates the anabolic activity of a chondrocyte or changes (e.g., increases or decreases) the level of expression of at least one polynucleotide sequence that is differentially expressed in a chondrocyte derived from any of the following chondrocyte disease or

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developmental stages: fetal, normal, mild osteoarthritic, moderate osteoarthritic, marked osteoarthritic and severe osteoarthritic.

The target nucleic acid samples that are hybridized to and analyzed with a microarray of the invention are preferably from human cartilage, blood or synovial fluid. A limitation for this procedure lies in the amount of RNA available for use as a target nucleic acid sample. Preferably, at least 1 microgram of total RNA is obtained for use according to this invention. This is advantageous because the amount of RNA in synovial fluid and in many cartilage biopsy samples is very minimal.

Construction of a Microarray

In one aspect, cDNAs generated from human cartilage cDNA libraries are arrayed on a microarray. Preferably, a microarray according to the invention comprises chondrocyte enriched or chondrocyte-specific genes and includes the whole spectrum of genes that are important in the osteoarthritis disease process.

The EST frequency analysis in Figure 6 (and portions thereof shown in Figures 15 and 16) shows the differential gene expression profiles for known genes. Microarrays according to the invention may be used to confirm these profiles and may also be used to show differential expression profiles between different developmental stages and osteoarthritis disease states for novel EST sequences. These novel EST sequences may be further characterized by cluster and alignment analyses to determine how many unique genes are represented by the novel EST sequences. The novel unique genes identified may provide a basis for identifying key markers in osteoarthritis disease progression and treatment.

In the subject methods, an array of nucleic acid members stably associated with the surface of a substantially solid support is contacted with a sample comprising target polynucleotides under hybridization conditions sufficient to produce a hybridization pattern of complementary nucleic acid members/target complexes in which one or more complementary nucleic acid members at unique positions on the array specifically hybridize to target nucleic

acids. The identity of target nucleic acids which hybridize can be determined with reference to location of nucleic acid members on the array.

The nucleic acid members may be produced using established techniques such as polymerase chain reaction (PCR) and reverse transcription (RT). These methods are similar to those currently known in the art (see e.g., *PCR Strategies*, Michael A. Innis (Editor), et al. (1995) and *PCR: Introduction to Biotechniques Series*, C. R. Newton, A. Graham (1997)). Amplified polynucleotides are purified by methods well known in the art (e.g., column purification or alcohol precipitation). A polynucleotide is considered pure when it has been isolated so as to be substantially free of primers and incomplete products produced during the synthesis of the desired polynucleotide. Preferably, a purified polynucleotide will also be substantially free of contaminants which may hinder or otherwise mask the specific binding activity of the molecule.

A microarray according to the invention comprises a plurality of unique polynucleotides attached to one surface of a solid support at a density exceeding 20 different polynucleotides/cm², wherein each of the polynucleotides is attached to the surface of the solid support in a non-identical pre-selected region. Each associated sample on the array comprises a polynucleotide composition, of known identity, usually of known sequence, as described in greater detail below. Any conceivable substrate may be employed in the invention.

In one embodiment, the polynucleotide attached to the surface of the solid support is DNA. In a preferred embodiment, the polynucleotide attached to the surface of the solid support is cDNA or RNA. In another preferred embodiment, the polynucleotide attached to the surface of the solid support is cDNA synthesized by polymerase chain reaction (PCR). Preferably, a nucleic acid member in the array, according to the invention, is at least 50 nucleotides in length. In one embodiment, a nucleic acid member is at least 150 nucleotides in length. Preferably, a nucleic acid member is less than 1000 nucleotides in length. More preferably, a nucleic acid member is less than 500 nucleotides in length. In one embodiment, an array comprises at least 10 different polynucleotides attached to one surface of the solid

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support. In another embodiment, the array comprises at least 100 different polynucleotides attached to one surface of the solid support. In yet another embodiment, the array comprises at least 10,000 different polynucleotides attached to one surface of the solid support. In yet another embodiment, the array comprises at least 15,000 different polynucleotides attached to one surface of the solid support.

In the arrays of the invention, the polynucleotide compositions are stably associated with the surface of a solid support, wherein the support may be a flexible or rigid solid support. By "stably associated" is meant that each nucleic acid member maintains a unique position relative to the solid support under hybridization and washing conditions. As such, the samples are non-covalently or covalently stably associated with the support surface. Examples of non-covalent association include non-specific adsorption, binding based on electrostatic interactions (e.g., ion pair interactions), hydrophobic interactions, hydrogen bonding interactions, specific binding through a specific binding pair member covalently attached to the support surface, and the like. Examples of covalent binding include covalent bonds formed between the polynucleotides and a functional group present on the surface of the rigid support (e.g., --OH), where the functional group may be naturally occurring or present as a member of an introduced linking group, as described in greater detail below

The amount of polynucleotide present in each composition will be sufficient to provide for adequate hybridization and detection of target polynucleotide sequences during the assay in which the array is employed. Generally, the amount of each nucleic acid member stably associated with the solid support of the array is at least about 0.001 ng, preferably at least about 0.02 ng and more preferably at least about 0.05 ng, where the amount may be as high as 1000 ng or higher, but will usually not exceed about 20 ng. Where the nucleic acid member is "spotted" onto the solid support in a spot comprising an overall circular dimension, the diameter of the "spot" will generally range from about 10 to 5,000 μm , usually from about 20 to 2,000 μm and more usually from about 100 to 200 μm .

Control nucleic acid members may be present on the array including nucleic acid members comprising oligonucleotides or polynucleotides corresponding to genomic DNA,

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housekeeping genes, vector sequences, plant nucleic acid sequence, negative and positive control genes, and the like. Control nucleic acid members are calibrating or control genes whose function is not to tell whether a particular "key" gene of interest is expressed, but rather to provide other useful information, such as background or basal level of expression.

- 5 Other control polynucleotides are spotted on the array and used as target expression control polynucleotides and mismatch control nucleotides to monitor non-specific binding or cross-hybridization to a polynucleotide in the sample other than the target to which the probe is directed. Mismatch probes thus indicate whether a hybridization is specific or not. For example, if the target is present, the perfectly matched probes should be consistently brighter than the mismatched probes. In addition, if all control mismatches are present, the mismatch probes are used to detect a mutation.
- 10

Solid Substrate

- An array according to the invention comprises either a flexible or rigid substrate. A flexible substrate is capable of being bent, folded or similarly manipulated without breakage.
- 15 Examples of solid materials which are flexible solid supports with respect to the present invention include membranes, e.g., nylon, flexible plastic films, and the like. By "rigid" is meant that the support is solid and does not readily bend, i.e., the support is not flexible. As such, the rigid substrates of the subject arrays are sufficient to provide physical support and structure to the associated polynucleotides present thereon under the assay conditions in which
- 20 the array is employed, particularly under high throughput handling conditions.

- The substrate may be biological, non-biological, organic, inorganic, or a combination of any of these, existing as particles, strands, precipitates, gels, sheets, tubing, spheres, beads, containers, capillaries, pads, slices, films, plates, slides, chips, etc. The substrate may have any convenient shape, such as a disc, square, sphere, circle, etc. The substrate is preferably
- 25 flat or planar but may take on a variety of alternative surface configurations. The substrate may be a polymerized Langmuir Blodgett film, functionalized glass, Si, Ge, GaAs, GaP, SiO₂, SiN₄, modified silicon, or any one of a wide variety of gels or polymers such as

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(poly)tetrafluoroethylene, (poly)vinylidenedifluoride, polystyrene, polycarbonate, or combinations thereof. Other substrate materials will be readily apparent to those of skill in the art upon review of this disclosure.

5 In a preferred embodiment the substrate is flat glass or single-crystal silicon. According to some embodiments, the surface of the substrate is etched using well-known techniques to provide for desired surface features. For example, by way of formation of trenches, v-grooves, mesa structures, or the like, the synthesis regions may be more closely placed within the focus point of impinging light, be provided with reflective "mirror" structures for maximization of light collection from fluorescent sources, etc.

10 Surfaces on the solid substrate will usually, though not always, be composed of the same material as the substrate. Alternatively, the surface may be composed of any of a wide variety of materials, for example, polymers, plastics, resins, polysaccharides, silica or silica-based materials, carbon, metals, inorganic glasses, membranes, or any of the above-listed substrate materials. In some embodiments the surface may provide for the use of caged
15 binding members which are attached firmly to the surface of the substrate. Preferably, the surface will contain reactive groups, which are carboxyl, amino, hydroxyl, or the like. Most preferably, the surface will be optically transparent and will have surface Si--OH functionalities, such as are found on silica surfaces.

The surface of the substrate is preferably provided with a layer of linker molecules,
20 although it will be understood that the linker molecules are not required elements of the invention. The linker molecules are preferably of sufficient length to permit polynucleotides of the invention and on a substrate to hybridize to other polynucleotide molecules and to interact freely with molecules exposed to the substrate.

Often, the substrate is a silicon or glass surface, (poly)tetrafluoroethylene,
25 (poly)vinylidenedifluoride, polystyrene, polycarbonate, a charged membrane, such as nylon 66 or nitrocellulose, or combinations thereof. In a preferred embodiment, the solid support is glass. Preferably, at least one surface of the substrate will be substantially flat. Preferably, the

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surface of the solid support will contain reactive groups, including, but not limited to, carboxyl, amino, hydroxyl, thiol, or the like. In one embodiment, the surface is optically transparent. In a preferred embodiment, the substrate is a poly-lysine coated slide or Gamma amino propyl silane-coated Corning Microarray Technology-GAPS or CMT-GAP2 coated
5 slides.

Any solid support to which a nucleic acid member may be attached may be used in the invention. Examples of suitable solid support materials include, but are not limited to, silicates such as glass and silica gel, cellulose and nitrocellulose papers, nylon, polystyrene, polymethacrylate, latex, rubber, and fluorocarbon resins such as TEFLON™.

10 The solid support material may be used in a wide variety of shapes including, but not limited to slides and beads. Slides provide several functional advantages and thus are a preferred form of solid support. Due to their flat surface, probe and hybridization reagents are minimized using glass slides. Slides also enable the targeted application of reagents, are easy to keep at a constant temperature, are easy to wash and facilitate the direct visualization of
15 RNA and/or DNA immobilized on the solid support. Removal of RNA and/or DNA immobilized on the solid support is also facilitated using slides.

The particular material selected as the solid support is not essential to the invention, as long as it provides the described function. Normally, those who make or use the invention will select the best commercially available material based upon the economics of cost and
20 availability, the expected application requirements of the final product, and the demands of the overall manufacturing process.

Spotting Method

In one aspect, The invention provides for arrays wherein each nucleic acid member comprising the array is spotted onto a solid support.

25 Preferably, spotting is carried out as follows. PCR products (~40 ul) of cDNA clones from osteoarthritis, fetal or normal cartilage cDNA libraries, in the same 96-well tubes used

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for amplification, are precipitated with 4 ul (1/10 volume) of 3M sodium acetate (pH 5.2) and 100 ul (2.5 volumes) of ethanol and stored overnight at -20°C. They are then centrifuged at 3,300 rpm at 4°C for 1 hour. The obtained pellets are washed with 50 ul ice-cold 70% ethanol and centrifuged again for 30 minutes. The pellets are then air-dried and resuspended well in 20ul 3X SSC or in 50% dimethylsulfoxide (DMSO) overnight. The samples are then spotted, either singly or in duplicate, onto polylysine-coated slides (Sigma Cat. No. P0425) using a robotic GMS 417 or 427 arrayer (Affymetrix, Ca).

The boundaries of the spots on the microarray may be marked with a diamond scribe (as the spots become invisible after post-processing). The arrays are rehydrated by suspending the slides over a dish of warm particle free ddH₂O for approximately one minute (the spots will swell slightly but will not run into each other) and snap-dried on a 70-80°C inverted heating block for 3 seconds. Nucleic acid is then UV crosslinked to the slide (Stratagene, Stratalinker, 65 mJ – set display to “650” which is 650 x 100 uJ) or the array is baked at 80°C for two to four hours prior to hybridization. The arrays are placed in a slide rack. An empty slide chamber is prepared and filled with the following solution: 3.0 grams of succinic anhydride (Aldrich) was dissolved in 189 ml of 1-methyl-2-pyrrolidinone (rapid addition of reagent is crucial); immediately after the last flake of succinic anhydride is dissolved, -21.0 ml of 0.2 M sodium borate is mixed in and the solution is poured into the slide chamber. The slide rack is plunged rapidly and evenly in the slide chamber and vigorously shaken up and down for a few seconds, making sure the slides never leave the solution, and then mixed on an orbital shaker for 15-20 minutes. The slide rack is then gently plunged in 95°C ddH₂O for 2 minutes, followed by plunging five times in 95% ethanol. The slides are then air dried by allowing excess ethanol to drip onto paper towels. The arrays are stored in the slide box at room temperature until use.

Numerous methods may be used for attachment of the nucleic acid members of the invention to the substrate (a process referred to as "spotting"). For example, polynucleotides are attached using the techniques of, for example U.S. Pat. No. 5,807,522, which is incorporated herein by reference, for teaching methods of polymer attachment.

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Alternatively, spotting may be carried out using contact printing technology as is known in the art.

Kits

The invention provides for kits for performing expression assays using the arrays of the present invention. Such kits according to the subject invention will at least comprise the arrays of the invention having associated nucleic acid members and packaging means therefore. The kits may further comprise one or more additional reagents employed in the various methods, such as: 1) primers for generating test polynucleotides; 2) dNTPs and/or rNTPs (either premixed or separate), optionally with one or more uniquely labeled dNTPs and/or rNTPs (e.g., biotinylated or Cy3 or Cy5 tagged dNTPs); 3) post synthesis labeling reagents, such as chemically active derivatives of fluorescent dyes; 4) enzymes, such as reverse transcriptases, DNA polymerases, and the like; 5) various buffer mediums, e.g., hybridization and washing buffers; 6) labeled probe purification reagents and components, like spin columns, etc.; and 7) signal generation and detection reagents, e.g., streptavidin-alkaline phosphatase conjugate, chemifluorescent or chemiluminescent substrate, and the like.

Use of a Microarray

Polynucleotide arrays according to the invention can be used in high throughput techniques that can assay a large number of polynucleotides in a sample comprising one or more target nucleic acid sequences. The arrays of the subject invention find use in a variety of applications, including gene expression analysis, diagnosis of osteoarthritis and prognosis of osteoarthritis, monitoring a patient's response to therapy, drug screening, and the like.

In one aspect, the arrays of the invention are used in, among other applications, differential gene expression assays. For example, arrays are useful in the differential expression analysis of: (a) diseased osteoarthritis and normal tissue; (b) tissues representing different stages of osteoarthritis; (c) developing cartilage (e.g., fetal cartilage); (d) chondrocyte responses to external or internal stimuli; (e) cartilage/chondrocyte response to treatment; (f) cartilage tissue engineering; (g) pharmacogenomics; and the like. The arrays are also useful in

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broad scale expression screening for drug discovery and research, such as the effect of a particular active agent on the expression pattern of genes in a particular cell, where such information is used to reveal drug efficacy and toxicity, environmental monitoring, disease research and the like. For example, high expression of a particular polynucleotide sequence in
5 an osteoarthritis sample (mild, moderate, marked, or severe), which is not observed in a corresponding normal cell, can indicate an osteoarthritis-specific gene product.

Target Preparation

The targets for the microarrays according to the invention are preferably derived from human cartilage, blood or synovial fluid.

10 A target polynucleotide is capable of binding to a polynucleotide probe or nucleic acid member of complementary sequence through one or more types of chemical bonds, usually through complementary base pairing, usually through hydrogen bond formation.

As used herein, a "polynucleotide derived from an mRNA transcript: or a
"polynucleotide corresponding to an mRNA" refers to a polynucleotide for which synthesis of
15 the mRNA transcript or a sub-sequence thereof has ultimately served as a template. Thus, a cDNA reverse transcribed from an mRNA, an RNA transcribed from that cDNA, a DNA amplified from the cDNA, an RNA transcribed from the amplified DNA, etc., are all derived from or correspond to the mRNA transcript and detection of such derived or corresponding products is indicative of or proportional to the presence and/or abundance of the original
20 transcript in a sample. Thus, suitable target nucleic acid samples include, but are not limited to, mRNA transcripts of a gene or genes, cDNA reverse transcribed from the mRNA, cRNA transcribed from the cDNA, DNA amplified from a gene or genes, RNA transcribed from amplified DNA, and the like. The polynucleotide targets used herein are preferably derived from human cartilage, blood or synovial fluid. Preferably, the targets are polynucleotides
25 derived from human cartilage, blood or synovial fluid extracts. Polynucleotides can be single- or double-stranded DNA, RNA, or DNA-RNA hybrids synthesized from human cartilage,

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blood or synovial fluid mRNA extracts using methods known in the art, for example, reverse transcription or PCR.

In the simplest embodiment, such a polynucleotide target comprises total mRNA or a nucleic acid sample corresponding to mRNA (e.g., cDNA) isolated from cartilage, blood, or synovial fluid samples. In another embodiment, total mRNA is isolated from a given sample using, for example, an acid guanidinium-phenol-chloroform extraction method and polyA+ mRNA is isolated by oligo dT column chromatography or by using (dT)_n magnetic beads (see, e.g., Sambrook et al., *Molecular Cloning: A Laboratory Manual* (2nd ed.), Vols. 1-3, Cold Spring Harbor Laboratory, (1989), or Current Protocols in Molecular Biology, F. Ausubel et al., ed. Greene Publishing and Wiley-Interscience, New York (1987). In a preferred embodiment, total RNA is extracted using TRIzol® reagent (GIBCO/BRL, Invitrogen Life Technologies, Cat. No. 15596). Purity and integrity of RNA is assessed by absorbance at 260/280nm and agarose gel electrophoresis followed by inspection under ultraviolet light.

In some embodiments, it is desirable to amplify the target nucleic acid sample prior to hybridization, for example, when synovial fluid is used. One of skill in the art will appreciate that whatever amplification method is used, if a quantitative result is desired, care must be taken to use a method that maintains or controls for the relative frequencies of the amplified polynucleotides. Methods of "quantitative" amplification are well known to those of skill in the art. For example, quantitative PCR involves simultaneously co-amplifying a known quantity of a control sequence using the same primers. This provides an internal standard that may be used to calibrate the PCR reaction. The high density array may then include probes specific to the internal standard for quantification of the amplified polynucleotide. Detailed protocols for quantitative PCR are provided in *PCR Protocols, A Guide to Methods and Applications*, Innis et al., Academic Press, Inc. N.Y., (1990).

Other suitable amplification methods include, but are not limited to polymerase chain reaction (PCR) (Innis, et al., *PCR Protocols. A Guide to Methods and Application*. Academic Press, Inc. San Diego, (1990)), ligase chain reaction (LCR) (see Wu and Wallace, 1989, *Genomics*, 4:560; Landegren, et al., 1988, *Science*, 241:1077 and Barringer, et al., 1990,

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Gene, 89:117, transcription amplification (Kwoh, et al., 1989, *Proc. Natl. Acad. Sci. USA*, 86: 1173), and self-sustained sequence replication (Guatelli, et al., 1990, *Proc. Nat. Acad. Sci. USA*, 87: 1874).

In a particularly preferred embodiment, the target nucleic acid sample mRNA is reverse transcribed with a reverse transcriptase and a primer consisting of oligo dT and a sequence encoding the phage T7 promoter to provide single-stranded DNA template. The second DNA strand is polymerized using a DNA polymerase. After synthesis of double-stranded cDNA, T7 RNA polymerase is added and RNA is transcribed from the cDNA template. Successive rounds of transcription from each single cDNA template results in amplified RNA. Methods of *in vitro* transcription are well known to those of skill in the art (see, e.g., Sambrook, *supra.*) and this particular method is described in detail by Van Gelder, et al., 1990, *Proc. Natl. Acad. Sci. USA*, 87: 1663-1667 who demonstrate that *in vitro* amplification according to this method preserves the relative frequencies of the various RNA transcripts. Moreover, Eberwine et al. *Proc. Natl. Acad. Sci. USA*, 89: 3010-3014 provide a protocol that uses two rounds of amplification via *in vitro* transcription to achieve greater than 10^6 fold amplification of the original starting material thereby permitting expression monitoring even where biological samples are limited.

Labeling of Target or Nucleic Acid Probe

Either the target or the probe can be labeled.

Any analytically detectable marker that is attached to or incorporated into a molecule may be used in the invention. An analytically detectable marker refers to any molecule, moiety or atom which is analytically detected and quantified.

Detectable labels suitable for use in the present invention include any composition detectable by spectroscopic, photochemical, biochemical, immunochemical, electrical, optical or chemical means. Useful labels in the present invention include biotin for staining with labeled streptavidin conjugate, magnetic beads (e.g., DynabeadsTM), fluorescent dyes (e.g., fluorescein, texas red, rhodamine, green fluorescent protein, and the like), radiolabels (e.g.,

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³H, ¹²⁵I, ³⁵S, ¹⁴C, or ³²P), enzymes (e.g., horse radish peroxidase, alkaline phosphatase and others commonly used in an ELISA), and colorimetric labels such as colloidal gold or colored glass or plastic (e.g., polystyrene, polypropylene, latex, etc.) beads. Patents teaching the use of such labels include U.S. Pat. Nos. 3,817,837; 3,850,752; 3,939,350; 3,996,345; 4,277,437;
5 4,275,149; and 4,366,241, the entireties of which are incorporated by reference herein.

Means of detecting such labels are well known to those of skill in the art. Thus, for example, radiolabels may be detected using photographic film or scintillation counters, fluorescent markers may be detected using a photodetector to detect emitted light. Enzymatic labels are typically detected by providing the enzyme with a substrate and detecting the
10 reaction product produced by the action of the enzyme on the substrate, and colorimetric labels are detected by simply visualizing the colored label.

The labels may be incorporated by any of a number of means well known to those of skill in the art. However, in a preferred embodiment, the label is simultaneously incorporated during the amplification step in the preparation of the sample polynucleotides. Thus, for
15 example, polymerase chain reaction (PCR) with labeled primers or labeled nucleotides will provide a labeled amplification product. In a preferred embodiment, transcription amplification, as described above, using a labeled nucleotide (e.g. fluorescein-labeled UTP and/or CTP) incorporates a label into the transcribed polynucleotides.

Alternatively, a label may be added directly to the original polynucleotide sample (e.g.,
20 mRNA, polyA mRNA, cDNA, etc.) or to the amplification product after the amplification is completed. Means of attaching labels to polynucleotides are well known to those of skill in the art and include, for example, nick translation or end-labeling (e.g. with a labeled RNA) by kinasing of the polynucleotide and subsequent attachment (ligation) of a polynucleotide linker joining the sample polynucleotide to a label (e.g., a fluorophore).

25 In a preferred embodiment, the fluorescent modifications are by cyanine dyes e.g. Cy-3/Cy-5 dUTP, Cy-3/Cy-5 dCTP (Amersham Pharmacia) or alexa dyes (Khan, et al., 1998, *Cancer Res.* 58:5009-5013).

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In a preferred embodiment, the two target samples used for comparison are labeled with different fluorescent dyes which produce distinguishable detection signals, for example, targets made from normal cartilage are labeled with Cy5 and targets made from mild osteoarthritis cartilage are labeled with Cy3. The differently labeled target samples are hybridized to the same microarray simultaneously. In a preferred embodiment, the labeled targets are purified using methods known in the art, e.g., by ethanol purification or column purification.

In a preferred embodiment, the target will include one or more control molecules which hybridize to control probes on the microarray to normalize signals generated from the microarray. Preferably, labeled normalization targets are polynucleotide sequences that are perfectly complementary to control oligonucleotides that are spotted onto the microarray as described above. The signals obtained from the normalization controls after hybridization provide a control for variations in hybridization conditions, label intensity, "reading" efficiency and other factors that may cause the signal of a perfect hybridization to vary between arrays. In a preferred embodiment, signals (e.g., fluorescence intensity) read from all other probes in the array are divided by the signal (e.g., fluorescence intensity) from the control probes, thereby normalizing the measurements.

Preferred normalization targets are selected to reflect the average length of the other targets present in the sample, however, they are selected to cover a range of lengths. The normalization control(s) also can be selected to reflect the (average) base composition of the other probes in the array, however, in a preferred embodiment, only one or a few normalization probes are used and they are selected such that they hybridize well (i.e., have no secondary structure and do not self hybridize) and do not match any target molecules.

Normalization probes are localized at any position in the array or at multiple positions throughout the array to control for spatial variation in hybridization efficiency. In a preferred embodiment, normalization controls are located at the corners or edges of the array as well as in the middle.

Hybridization Conditions

Polynucleotide hybridization involves providing a denatured probe or target nucleic acid member and target polynucleotide under conditions where the probe or target nucleic acid member and its complementary target can form stable hybrid duplexes through complementary base pairing. The polynucleotides that do not form hybrid duplexes are then washed away leaving the hybridized polynucleotides to be detected, typically through detection of an attached detectable label. It is generally recognized that polynucleotides are denatured by increasing the temperature or decreasing the salt concentration of the buffer containing the polynucleotides. Under low stringency conditions (e.g., low temperature and/or high salt) hybrid duplexes (e.g., DNA:DNA, RNA:RNA, or RNA:DNA) will form even where the annealed sequences are not perfectly complementary. Thus specificity of hybridization is reduced at lower stringency. Conversely, at higher stringency (e.g., higher temperature or lower salt) successful hybridization requires fewer mismatches.

The invention provides for hybridization conditions comprising the Dig hybridization mix (Boehringer); or formamide-based hybridization solutions, for example as described in Ausubel et al., *supra* and Sambrook et al. *supra*.

Methods of optimizing hybridization conditions are well known to those of skill in the art (see, e.g., *Laboratory Techniques in Biochemistry and Molecular Biology*, Vol. 24: *Hybridization With Polynucleotide Probes*, P. Tijssen, ed. Elsevier, N.Y., (1993)).

Following hybridization, non-hybridized labeled or unlabeled polynucleotide is removed from the support surface, conveniently by washing, thereby generating a pattern of hybridized target polynucleotide on the substrate surface. A variety of wash solutions are known to those of skill in the art and may be used. The resultant hybridization patterns of labeled, hybridized oligonucleotides and/or polynucleotides may be visualized or detected in a variety of ways, with the particular manner of detection being chosen based on the particular label of the test polynucleotide, where representative detection means include scintillation

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counting, autoradiography, fluorescence measurement, calorimetric measurement, light emission measurement and the like.

Image Acquisition and Data Analysis

5 Following hybridization and any washing step(s) and/or subsequent treatments, as described above, the resultant hybridization pattern is detected. In detecting or visualizing the hybridization pattern, the intensity or signal value of the label will be not only be detected but quantified, by which is meant that the signal from each spot of the hybridization will be measured and compared to a unit value corresponding to the signal emitted by a known number of end labeled target polynucleotides to obtain a count or absolute value of the copy
10 number of each end-labeled target that is hybridized to a particular spot on the array in the hybridization pattern.

15 Methods for analyzing the data collected from hybridization to arrays are well known in the art. For example, where detection of hybridization involves a fluorescent label, data analysis can include the steps of determining fluorescent intensity as a function of substrate position from the data collected, removing outliers, i.e., data deviating from a predetermined statistical distribution, and calculating the relative binding affinity of the test polynucleotides from the remaining data. The resulting data is displayed as an image with the intensity in each region varying according to the binding affinity between associated oligonucleotides and/or polynucleotides and the test polynucleotides.

20 The following detection protocol is used for the simultaneous analysis of two cartilage samples to be compared, wherein each sample is labeled with a different fluorescent dye.

Each element of the microarray is scanned for the first fluorescent color. The intensity of the fluorescence at each array element is proportional to the expression level of that gene in the sample.

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The scanning operation is repeated for the second fluorescent label. The ratio of the two fluorescent intensities provides a highly accurate and quantitative measurement of the relative gene expression level in the two tissue samples.

5 In a preferred embodiment, fluorescence intensities of immobilized target nucleic acid sequences were determined from images taken with a custom confocal microscope equipped with laser excitation sources and interference filters appropriate for the Cy3 and Cy5 fluors. Separate scans were taken for each fluor at a resolution of $225 \mu\text{m}^2$ per pixel and 65,536 gray levels. Image segmentation to identify areas of hybridization, normalization of the intensities between the two fluor images, and calculation of the normalized mean fluorescent values at
10 each target are as described (Khan, et al., 1998, *Cancer Res.* 58:5009-5013. Chen, et al., 1997, *Biomed. Optics* 2:364-374). Normalization between the images is used to adjust for the different efficiencies in labeling and detection with the two different fluors. This is achieved by equilibrating to a value of one the signal intensity ratio of a set of internal control genes spotted on the array.

15 In another preferred embodiment, the array is scanned in the Cy 3 and Cy5 channels and stored as separate 16-bit TIFF images. The images are incorporated and analysed using software which includes a gridding process to capture the hybridization intensity data from each spot on the array. The fluorescence intensity and background-subtracted hybridization intensity of each spot is collected and a ratio of measured mean intensities of Cy5 to Cy3 is
20 calculated. A liner regression approach is used for normalization and assumes that a scatter plot of the measured Cy5 versus Cy3 intensities should have a slope of one. The average of the ratios is calculated and used to rescale the data and adjust the slope to one. A post-normalization cutoff of greater than 1.0 fold up- or down-regulation is used to identify differentially expressed genes.

25 Following detection or visualization, the hybridization pattern is used to determine quantitative information about the genetic profile of the labeled target polynucleotide sample that was contacted with the array to generate the hybridization pattern, as well as the physiological source from which the labeled target polynucleotide sample was derived. By

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“genetic profile” is meant information regarding the types of polynucleotides present in the sample, e.g., such as the types of genes to which they are complementary, and/or the copy number of each particular polynucleotide in the sample. From this data, one can also derive information about the physiological source from which the target polynucleotide sample was derived, such as the types of genes expressed in the tissue or cell which is the physiological source of the target, as well as the levels of expression of each gene, particularly in quantitative terms.

Where one uses the subject methods to compare target polynucleotides from two or more physiological sources, the hybridization patterns may be compared to identify differences between the patterns. Where arrays in which each of the different nucleic acid members corresponds to a known gene are employed, any discrepancies are related to a differential expression of a particular gene in the physiological sources being compared. Thus, the subject methods find use in differential gene expression assays, where one may use the subject methods in the differential expression analysis of: (a) diseased vs. normal tissue, e.g., osteoarthritic and normal tissue, (b) tissue derived from different stages of osteoarthritis; and the like.

In a particularly preferred embodiment, where it is desired to quantify the transcription level (and thereby expression) of one or more polynucleotide sequences in a sample, the target nucleic acid sample is one in which the concentration of the mRNA transcript(s) of the gene or genes, or the concentration of the polynucleotides derived from the mRNA transcript(s), is proportional to the transcription level (and therefore expression level) of that gene. Similarly, it is preferred that the hybridization signal intensity be proportional to the amount of hybridized polynucleotide. While it is preferred that the proportionality be relatively strict (e.g., a doubling in transcription rate results in a doubling in mRNA transcript in the sample polynucleotide pool and a doubling in hybridization signal), one of skill will appreciate that the proportionality can be more relaxed and even non-linear and still provide meaningful results. Thus, for example, an assay where a 5 fold difference in concentration of the target mRNA results in a 3- to 6-fold difference in hybridization intensity is sufficient for most

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purposes. Where more precise quantification is required, appropriate controls are run to correct for variations introduced in sample preparation and hybridization as described herein. In addition, serial dilutions of "standard" target mRNAs are used to prepare calibration curves according to methods well known to those of skill in the art. Of course, where simple
5 detection of the presence or absence of a transcript is desired, no elaborate control or calibration is required.

For example, if a microarray nucleic acid member is not labeled after hybridization, this indicates that the gene comprising that nucleic acid member is not expressed in either sample. If a nucleic acid member is labeled with a single color, it indicates that a labeled gene
10 was expressed only in one sample. The labeling of a nucleic acid member comprising an array with both colors indicates that the gene was expressed in both samples. Even genes expressed once per cell are detected (1 part in 100,000 sensitivity). A difference in expression intensity in the two samples being compared is indicative of differential expression, the ratio of the intensity in the two samples being not equal to 1.0, preferably less than 0.7 or greater
15 than 1.2, more preferably less than 0.5 or greater than 1.5.

Many human genes are expressed at different levels in cartilage of different developmental (fetal vs. mature) or disease states. In some cases, a gene is not expressed at all in some developmental or disease states, and at high levels in others. Differential analysis of chondrocyte gene expression in differing cartilage states using an EST-based approach is
20 used to identify genes that may play important roles in osteoarthritis pathogenesis and cartilage repair. The advantage of this method is that it can provide gene expression information on a larger scale than other methods. The cDNA clones generated by this approach is useful for future functional studies of certain genes. This type of genomic-based approach can provide important novel insights into our understanding of the osteoarthritis
25 disease process and provide for novel diagnostic, prognostic and therapeutic approaches.

Diagnostic or Prognostic Tests

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The invention also provides for diagnostic tests for detecting osteoarthritis. The invention also provides for prognostic tests for monitoring a patient's response to therapy.

According to the method of the invention, mild, moderate, marked or severe osteoarthritis is detected by obtaining a cartilage sample from a patient. In alternative
5 embodiments, a blood or synovial fluid sample is obtained from a patient. A sample
comprising nucleic acid corresponding to RNA (i.e., RNA or cDNA) is prepared from the
patient cartilage (or blood or synovial fluid) sample. The sample comprising nucleic acid
corresponding to RNA is hybridized to an array comprising a solid substrate and a plurality of
nucleic acid members, wherein at least one member is differentially expressed in cartilage
10 isolated from a patient diagnosed with mild, moderate, marked or severe osteoarthritis, as
compared to a "normal individual", according to the invention. According to this diagnostic
test, hybridization of the sample comprising nucleic acid corresponding to RNA to one or
more nucleic acid members on the array is indicative of disease.

A patient response to therapy is monitored by using a prognostic test according to the
15 invention. In one aspect, a prognostic test according to the invention comprises obtaining a
cartilage sample from a patient prior to treatment, during the course of treatment and after
treatment. Preferably, the patient is treated for at least 12 hours before a sample is taken. In
alternative embodiments, blood or synovial fluid samples are obtained from a patient prior to
treatment, during the course of treatment and after treatment. A sample comprising nucleic
20 acid corresponding to RNA (i.e., RNA or cDNA) is prepared from the patient cartilage (or
blood or synovial fluid) samples. The samples comprising nucleic acid corresponding to RNA
are hybridized to an array comprising a solid substrate and a plurality of nucleic acid
members, wherein at least one member is differentially expressed in cartilage isolated from a
patient diagnosed with mild, moderate, marked or severe osteoarthritis, as compared to a
25 normal individual, according to the invention. Arrays are selected in accordance with the
diagnostic state of the patient whose treatment is being monitored. According to this
prognostic test, differential hybridization of the samples comprising nucleic acid
corresponding to RNA isolated prior to and after treatment to one or more nucleic acid

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members on the array is indicative of an effective treatment. Preferably, gene expression profiles in patients being treated changes to resemble more closely gene expression profiles in patients with less severe forms of the disease or more preferably more closely resembles gene expression profiles in normal patients. The extent of change in a gene expression profile can be further correlated with various therapeutic endpoints such as a decrease in the severity and/or occurrence of one or more symptoms associated with the disease.

Therapeutic Agents

A useful therapeutic agent according to the invention can increase or decrease the anabolic and/or the catabolic activity of a chondrocyte. Preferably, a therapeutic agent can increase or decrease the anabolic and/or catabolic activity of a chondrocyte by greater than 1.0-fold, more preferably, 1.5-5-fold, and most preferably, 5-100-fold, as compared to an untreated chondrocyte.

In one embodiment, a therapeutic agent changes (e.g., increases or decreases) the level of expression of at least one polynucleotide sequence that is differentially expressed in a chondrocyte derived from any of the following chondrocyte disease or developmental stages: fetal, normal, mild osteoarthritic, moderate osteoarthritic, marked osteoarthritic and severe osteoarthritic. Preferably, a therapeutic agent causes a change in the level of expression of a polynucleotide sequence or increase or decrease in the expression of a polynucleotide sequence that is differentially expressed in a chondrocyte derived from any of the following chondrocyte disease or developmental stages: fetal, normal, mild osteoarthritic, moderate osteoarthritic, marked osteoarthritic and severe osteoarthritic, wherein the change is greater than 1.0-fold, more preferably 1.5-5-fold, and most preferably 5-100-fold, more or less than the level of expression in the absence of a candidate therapeutic agent.

In another embodiment, a therapeutic agent according to the invention can ameliorate at least one of the symptoms and/or changes associated with osteoarthritis including cartilage degeneration, or pain, swelling, weakness and/or loss of functional ability in the afflicted joints, associated with cartilage degeneration.

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The candidate therapeutic agent may be a synthetic compound, or a mixture of compounds, or may be a natural product (*e.g.* a plant extract or culture supernatant).

Candidate therapeutic agents or compounds from large libraries of synthetic or natural compounds can be screened. Numerous means are currently used for random and directed synthesis of saccharide, peptide, and nucleic acid-based compounds. Synthetic compound libraries are commercially available from a number of companies including Maybridge Chemical Co. (Trevillet, Cornwall, UK), Comgenex (Princeton, NJ), Brandon Associates (Merrimack, NH), and Microsource (New Milford, CT). A rare chemical library is available from Aldrich (Milwaukee, WI). Combinatorial libraries are available and are prepared. Alternatively, libraries of natural compounds in the form of bacterial, fungal, plant and animal extracts are available from *e.g.*, Pan Laboratories (Bothell, WA) or MycoSearch (NC), or are readily produceable by methods well known in the art. Additionally, natural and synthetically produced libraries and compounds are readily modified through conventional chemical, physical, and biochemical means.

Useful compounds may be found within numerous chemical classes. Useful compounds may be organic compounds, or small organic compounds. Small organic compounds have a molecular weight of more than 50 yet less than about 2,500 daltons, preferably less than about 750, more preferably less than about 350 daltons. Exemplary classes include heterocycles, peptides, saccharides, steroids, and the like. The compounds may be modified to enhance efficacy, stability, pharmaceutical compatibility, and the like. Structural identification of an agent may be used to identify, generate, or screen additional agents. For example, where peptide agents are identified, they may be modified in a variety of ways to enhance their stability, such as using an unnatural amino acid, such as a D-amino acid, particularly D-alanine, by functionalizing the amino or carboxylic terminus, *e.g.* for the amino group, acylation or alkylation, and for the carboxyl group, esterification or amidification, or the like.

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A therapeutic agent, according to the invention, can be a gene corresponding to an EST sequence identified from any of the cDNA libraries constructed from cartilage of different development and disease stages.

Each cDNA library revealed a number of EST sequences specific to the particular
5 stage. The ESTs are first characterized according to their putative function (Tables 2-6) and their expression is confirmed by using microarrays, as described herein. Since osteoarthritis is a chronic disease caused by an imbalance between catabolic activity and anabolic activity, that is, an increase in catabolic activity and/or a decrease in anabolic activity, normal- or fetal-specific ESTs may be important in maintaining the normal metabolic function of cartilage so
10 as to maintain a balance between the catabolic activity and the anabolic activity. Therefore, an increased expression of a full length gene sequence corresponding to one or more of these ESTs may restore the anabolic activity in disease cartilage. Therapy involving altered gene expression (e.g., gene therapy, gene disruption, antisense therapy, and the like) is useful according to the invention.

15 A full-length gene sequence corresponding to one of the normal- or fetal-specific genes is cloned by methods known in the art (e.g., Ausubel et al., John Wiley & Sons, Inc., 1997, *Current Protocols in Molecular Biology*). A cloned sequence is transfected into disease chondrocytes isolated from any stage of osteoarthritis (e.g., mild, moderate, marked, and severe). The ability of normal- or fetal-specific genes to complement the anabolic defect in
20 the disease chondrocytes is accessed.

In one embodiment, this is achieved by examining the expression profile of disease chondrocytes transfected with a normal- or fetal-specific gene. A normal- or fetal-specific gene which is capable of restoring the expression profile of disease chondrocytes to more closely resemble that of normal or fetal chondrocytes is a useful candidate for treatment of
25 osteoarthritis.

In another embodiment, the anabolic activity of disease chondrocytes transfected with a normal- or fetal- specific gene is measured as described by Westacott et al. (1996, *Semin*

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Arthritis Rheum, 25:254-72). A normal- or fetal-specific gene which increases the anabolic activity is useful for treatment of osteoarthritis.

Once a therapeutic gene is defined, the gene sequence is subcloned into a vector suitable for the purpose of gene therapy. Murine leukemia virus (MLV)-based retroviral
5 vectors are one of the most widely used gene delivery vehicles in gene therapy clinical trials and have been employed in almost 70% of approved protocols (Ali, M. et al., 1994, *Gene Ther.*, 1:367-384; Marshall, 1995, *Science*, 269:1050-1055, 1995). Other useful vectors are also known in the art (e.g., Carter and Samulski, 2000, *Int. J. Mol. Med.* 6:17-27; Lever et al., 1999, *Biochem. Soc. Trans.* 27: 841-7). Methods for gene therapy of human diseases are
10 described in U.S. Patent Nos. 6,190,907; 6,187,305; 6,140,087; and 6,129,705, for example, the entireties of which are incorporated by reference herein.

Dosage and Administration

Therapeutic agents of the invention are administered to a patient, preferably in a biologically compatible solution or a pharmaceutically acceptable delivery vehicle, by
15 ingestion, injection, inhalation or any number of other methods routine in the art. The dosages administered will vary from patient to patient. A "therapeutically effective dose" is determined, for example, by the level of enhancement of function (e.g., increased or decreased chondrocyte anabolic activity, or an increase or decrease in the expression of at least one polynucleotide sequence that is differentially expressed in a chondrocyte derived from any of
20 the following chondrocyte disease or developmental stages: fetal, normal, mild osteoarthritic, moderate osteoarthritic, marked osteoarthritic or severe osteoarthritic).

A therapeutic agent according to the invention is administered in a single dose. This dosage may be repeated daily, weekly, monthly, yearly, or as considered appropriate by the treating physician.

25

Pharmaceutical Compositions

The invention provides for compositions comprising a therapeutic agent according to the invention admixed with a physiologically compatible carrier. As used herein, "physiologically compatible carrier" refers to a physiologically acceptable diluent such as water, phosphate buffered saline, or saline, and further may include an adjuvant. Adjuvants such as incomplete Freund's adjuvant, aluminum phosphate, aluminum hydroxide, or alum are materials well known in the art.

The invention also provides for pharmaceutical compositions. In addition to the active ingredients, these pharmaceutical compositions may contain suitable pharmaceutically acceptable carrier preparations which is used pharmaceutically.

Pharmaceutical compositions for oral administration are formulated using pharmaceutically acceptable carriers well known in the art in dosages suitable for oral administration. Such carriers enable the pharmaceutical compositions to be formulated as tablets, pills, dragees, capsules, liquids, gels, syrups, slurries, suspensions and the like, for ingestion by the patient.

Pharmaceutical preparations for oral use are obtained through a combination of active compounds with solid excipient, optionally grinding a resulting mixture, and processing the mixture of granules, after adding suitable auxiliaries, if desired, to obtain tablets or dragee cores. Suitable excipients are carbohydrate or protein fillers such as sugars, including lactose, sucrose, mannitol, or sorbitol; starch from corn, wheat, rice, potato, or other plants; cellulose such as methyl cellulose, hydroxypropylmethyl-cellulose, or sodium carboxymethyl cellulose; and gums including arabic and tragacanth; and proteins such as gelatin and collagen. If desired, disintegrating or solubilizing agents may be added, such as the cross-linked polyvinyl pyrrolidone, agar, alginic acid, or a salt thereof, such as sodium alginate.

Dragee cores are provided with suitable coatings such as concentrated sugar solutions, which may also contain gum arabic, talc, polyvinylpyrrolidone, carbopol gel, polyethylene glycol, and/or titanium dioxide, lacquer solutions, and suitable organic solvents or solvent

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mixtures. Dyestuffs or pigments may be added to the tablets or dragee coatings for product identification or to characterize the quantity of active compound, i.e., dosage.

Pharmaceutical preparations which are used orally include push-fit capsules made of gelatin, as well as soft, sealed capsules made of gelatin and a coating such as glycerol or sorbitol. Push-fit capsules can contain active ingredients mixed with a filler or binders such as lactose or starches, lubricants such as talc or magnesium stearate, and, optionally, stabilizers. In soft capsules, the active compounds may be dissolved or suspended in suitable liquids, such as fatty oils, liquid paraffin, or liquid polyethylene glycol with or without stabilizers.

Pharmaceutical formulations for parenteral administration include aqueous solutions of active compounds. For injection, the pharmaceutical compositions of the invention may be formulated in aqueous solutions, preferably in physiologically compatible buffers such as Hank's solution, Ringer's solution, or physiologically buffered saline. Aqueous injection suspensions may contain substances which increase the viscosity of the suspension, such as sodium carboxymethyl cellulose, sorbitol, or dextran. Additionally, suspensions of the active solvents or vehicles include fatty oils such as sesame oil, or synthetic fatty acid esters, such as ethyl oleate or triglycerides, or liposomes. Optionally, the suspension may also contain suitable stabilizers or agents which increase the solubility of the compounds to allow for the preparation of highly concentrated solutions.

For nasal administration, penetrants appropriate to the particular barrier to be permeated are used in the formulation. Such penetrants are generally known in the art.

The pharmaceutical compositions of the present invention may be manufactured in a manner known in the art, e.g. by means of conventional mixing, dissolving, granulating, dragee-making, levitating, emulsifying, encapsulating, entrapping or lyophilizing processes.

The pharmaceutical composition may be provided as a salt and are formed with many acids, including but not limited to hydrochloric, sulfuric, acetic, lactic, tartaric, malic, succinic, etc. Salts tend to be more soluble in aqueous or other protonic solvents than are the

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corresponding free base forms. In other cases, the preferred preparation may be a lyophilized powder in 1mM-50 mM histidine, 0.1%-2% sucrose, 2%-7% mannitol at a pH range of 4.5 to 5.5 that is combined with buffer prior to use.

After pharmaceutical compositions comprising a therapeutic agent of the invention
5 formulated in a acceptable carrier have been prepared, they are placed in an appropriate container and labeled for treatment of an indicated condition with information including amount, frequency and method of administration.

Efficacy of Osteoarthritis Therapy Using Defined Therapeutic Agents

The efficacy of the therapy using any of the therapeutic agents according to the
10 invention is determined by a medical practitioner. This determination may be related to alleviating osteoarthritis symptoms such as pain, swelling, weakness and loss of functional ability in the afflicted joint(s), and/or criteria for osteoarthritis diagnosis and staging described in Marshall (1996, supra).

The above disclosure generally describes the present invention. A more complete
15 understanding can be obtained by reference to the following specific examples, which are provided herein for purposes of illustration only and are not intended to limit the scope of the invention.

Examples

The examples below are non-limiting and are merely representative of various aspects
20 and features of the present invention

Example 1: RNA Extraction And Fetal cDNA Library Construction

A cDNA library was prepared from fetal cartilage. ESTs were obtained from the cDNA library and evaluated to create one or more gene expression profiles for fetal chondrocytes.

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Human fetal femoral cartilage RNA was extracted from pooled specimens of aborted fetuses (8-12 weeks). Samples were finely powdered under liquid nitrogen, and total RNA was extracted using TRIzol® reagent (GIBCO/BRL). Purity and integrity of RNA was assessed by absorbance at 260/280nm and agarose gel electrophoresis. The poly (A)⁺ RNA fraction was isolated by oligo-dT cellulose chromatography (Pharmacia), and 3-5 ug poly (A)⁺ RNA was used to construct a cDNA library in the λ ZAP Express vector (Stratagene). First-strand cDNA was synthesized with an Xho I-oligo (dT) adapter-primer in the presence of 5'-methyl dCTP. After second-strand synthesis and ligation of EcoRI adapters, the cDNA was digested with Xho I, resulting in cDNA flanked by EcoRI sites at the 5'-ends and Xho I sites at the 3'-ends. Digested cDNAs were size-fractionated in Sephacryl S-500 spin columns (Stratagene), then ligated into the λ ZAP Express vector predigested with EcoRI and Xho I. The resulting DNA/cDNA concatomers were packaged using Gigapack Gold packaging extracts. After titration, aliquots of primary packaging mix were stored in 7% DMSO at -80°C as primary library stocks, and the rest were amplified to establish stable library stocks.

15 Large-scale sequencing of cDNA inserts

From the amplified λ ZAP Express library, phage plaques were plated at a density of 200-500 pfu/150 mm plate onto *Escherichia coli* XL1-blue MRF' lawn with IPTG/X-gal for color selection. Plaques were picked into 75 ul suspension media buffer (100 mM NaCl, 10 mM MgSO₄, 1 mM Tris, pH7.5, 0.02% gelatin). Phage elutes (5 ul) were used for PCR reactions (50 ul total volume) with 125 umol/L of each dNTP (Pharmacia), 10 pmol each of modified T3 (5'-GCCAAGCTCGAAATTAACCCTCACTAAAG GG-3') and T7 (5'-CCAGTGAATTGTAATACGACTCACTATAGGGCG-3') primers, and 2 U of Taq DNA polymerase (Pharmacia). Reactions were cycled in a DNA Thermal Cycler (Perkin-Elmer) [denaturation at 95°C for 5 minutes, followed by 30 cycles of amplification (94°C, 45 seconds; 55°C, 30 seconds; 72°C, 3 minutes) and a terminal isothermal extension (72°C, 3 minutes)]. Agarose gel electrophoresis was used to assess the presence and purity of inserts. PCR products are subjected to DNA sequencing reactions using specific primers, BigDye™ Terminator Cycle Sequencing v2.0 Ready Reaction (PE Biosystems), Tris MgCl buffer and

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water in a thermocycler. Sequencing reactions were incubated at 94°C for 2 minutes, followed by 25 cycles of 94°C, 30 seconds; 55°C, 20 seconds; and 72°C, 1 minute; and 15 cycles of 94°C, 30 seconds; and 72°C for 1 minute; and 72°C for 5 minutes. Reactions were then put on hold at 4°C until purified through methods well known in the prior art (i.e. column purification or alcohol precipitation). Automated sequencing was carried out with a PE Biosystems ABI Prism 3700 DNA Analyzer.

Sequences were manually edited or edited using Sequencher software (GeneCodes). All edited EST sequences were compared to the non-redundant Genbank/EMBL/DDBJ and dbEST databases using the BLAST algorithm (8). A minimum value of $P = 10^{-10}$ and nucleotide sequence identity >95% were required for assignments of putative identities for ESTs matching to known genes or to other ESTs. Construction of a non-redundant list of genes represented in the EST set was done with the help of Unigene, Entrez and PubMed at the National Center for Biotechnology Information (NCBI) site (<http://www.ncbi.nlm.nih.gov/>). Relative gene expression frequency was calculated by dividing the number of EST copies for each gene by the total number of ESTs analyzed. Functional characterization of ESTs with known gene matches was made according to the categories described by Hwang et al., "A Genome-Based Resource for Molecular Cardiovascular Medicine: Toward a Compendium of Cardiovascular Genes." *Circulation* 1997;96:4146-203).

A total of 13,398 ESTs were obtained from the human fetal cartilage cDNA library. Of these, 5,747 ESTs (41.8%) matched to known gene sequences, 1,855 ESTs (13.4%) matched to other ESTs, and 3,053 (22.0%) matched to mitochondrial, ribosomal, vector and cDNA/hypothetical protein sequences. The 209 ESTs (4.7%) that did not match to any known sequences were designated as novel. The remainder matched to genomic DNA sequences (1,948 ESTs, 13.8%) and repetitive sequences (586 ESTs, 4.3%).

The 13,398 EST sequences in the fetal library were characterized based on the functional classification of the 2,579 unique known genes they represented. The following table sets out the results of this analysis.

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| Table 2. Fetal Cartilage Library | | |
|-----------------------------------|--|-----------------|
| Putative Function | Percent (%) of Representation in the Library | Number of genes |
| Cell division | 7.06 | 182 |
| Cell signaling/communication | 15.01 | 387 |
| Cell structure/motility | 10.90 | 281 |
| Cell/organism defense | 7.60 | 196 |
| Gene/protein expression | 22.22 | 573 |
| Metabolism | 14.89 | 384 |
| Unclassified | 22.33 | 576 |
| Total known/unique genes analyzed | 100.00 | 2,579 |

Example 2: RNA Extraction And Normal Adult cDNA Library Construction

A cDNA library was prepared from normal adult cartilage. ESTs were obtained from the cDNA library and characterized to create one or more gene expression profiles for normal adult chondrocytes.

Large-scale sequencing of cDNA inserts

cDNA libraries were constructed into λ Triplex2 vector through a PCR-based method, using SMART (Switching Mechanism At 5' end of RNA Transcript) cDNA Library Construction Kit (Clontech). Phage plaques were randomly picked and positive inserts were identified by PCR. Agarose gel electrophoresis was used to assess the presence and purity of inserts. PCR product was then subjected to automated DNA sequencing with a 5' vector-specific forward primer and sequenced by ABI PRISM 377 DNA sequencer (Perkin Elmer) and ABI PRISM 3700 DNA Analyzer (Applied Biosystems). All generated EST sequences were searched against the nonredundant Genbank/EMBL/DDBL, dbEST and GSS databases. A minimum value of $p=10^{-10}$ and nucleotide sequence identity >90% were required for assignments of putative identities for EST-matching to known genes or other ESTs. Relative

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EST frequency level was calculated by dividing the EST number matched to that gene into the total number of ESTs obtained from the library.

Sequences were manually edited or edited using Sequencher software (GeneCodes). All edited EST sequences were compared to the non-redundant Genbank/EMBL/DDBJ and dbEST databases using the BLAST algorithm (8). A minimum value of $P = 10^{-10}$ and nucleotide sequence identity >95% were required for assignments of putative identities for ESTs matching to known genes or to other ESTs. Construction of a non-redundant list of genes represented in the EST set was done with the help of Unigene, Entrez and PubMed at the National Center for Biotechnology Information (NCBI) site (<http://www.ncbi.nlm.nih.gov/>). Relative gene expression frequency was calculated by dividing the number of EST copies for each gene by the total number of ESTs analyzed. Functional characterization of ESTs with known gene matches was made according to the categories described by Hwang et al (Hwang DM, Dempsey AA, Wang RX, Rezvani M, Barrans JD, Dai KS, et al. A Genome-Based Resource for Molecular Cardiovascular Medicine: Toward a Compendium of Cardiovascular Genes. Circulation 1997;96:4146-203).

A total of 17,151 ESTs were obtained from the normal cartilage cDNA library. Of these, 6,755 ESTs (44.2%) matched to 2,518 known genes. 1.4% (132 ESTs) showed no significant match and were thus designated as novel. Characterization of the 17,151 EST sequences based on functional classification of known/unique genes resulted in the following table:

| Table 3. Normal Adult Cartilage Library | | |
|---|--|-----------------|
| Putative function | Percent (%) of representation in the library | Number of genes |
| Cell division | 6.13 | 160 |
| Cell signaling/communication | 13.52 | 353 |
| Cell structure/motility | 9.00 | 235 |
| Cell/organism defense | 7.51 | 196 |
| Gene/protein expression | 20.08 | 524 |

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| | | |
|-----------------------------------|--------|------|
| Metabolism | 13.14 | 343 |
| Unclassified | 27.09 | 707 |
| Total known/unique genes analyzed | 100.00 | 2518 |

Example 3: RNA Extraction and cDNA Library Construction From Mild Osteoarthritic Chondrocytes and Severe Osteoarthritic Chondrocytes

A cDNA library was prepared from mild osteoarthritic cartilage and severe osteoarthritic cartilage. ESTs were obtained from the cDNA libraries and characterized to create one or more gene expression profiles for mild osteoarthritic chondrocytes and severe osteoarthritic chondrocytes.

Articular cartilage was obtained during either arthroscopic knee surgery or total knee replacement. The cartilage samples were obtained from either areas of very early cartilage degeneration (mild) or from sites of end stage disease (severe). cDNA libraries were constructed as described for normal adult samples (Example 2).

Large-scale sequencing of cDNA inserts

cDNA libraries were constructed into λ TripleEx2 vector through a PCR-based method, using SMART (Switching Mechanism At 5' end of RNA Transcript) cDNA Library Construction Kit (Clontech). Phage plaques were randomly picked and positive inserts were identified by PCR. Agarose gel electrophoresis was used to assess the presence and purity of inserts. PCR product was then subjected to automated DNA sequencing with a 5' vector-specific forward primer and sequenced by ABI PRISM 377 DNA sequencer (Perkin Elmer) and ABI PRISM 3700 DNA Analyzer (Applied Biosystems). All generated EST sequences were searched against the nonredundant Genbank/EMBL/DBBL, dbEST and GSS databases. A minimum value of $p=10^{-10}$ and nucleotide sequence identity >90% were required for assignments of putative identities for EST-matching to known genes or other ESTs. Relative EST frequency level was calculated by dividing the EST number matched to that gene into the total number of ESTs obtained from the library.

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Sequences were manually edited or edited using Sequencher software (GeneCodes). All edited EST sequences were compared to the non-redundant Genbank/EMBL/DDBJ and dbEST databases using the BLAST algorithm (8). A minimum value of $P = 10^{-10}$ and nucleotide sequence identity >95% were required for assignments of putative identities for

5 ESTs matching to known genes or to other ESTs.

Construction of a non-redundant list of genes represented in the EST set was done with the help of Unigene, Entrez and PubMed at the National Center for Biotechnology Information (NCBI) site (<http://www.ncbi.nlm.nih.gov/>). Relative gene expression frequency was calculated by dividing the number of EST copies for each gene by the total number of

10 ESTs analyzed.

Functional characterization of ESTs with known gene matches was made according to the categories described by Hwang et al (Hwang DM, Dempsey AA, Wang RX, Rezvani M, Barrans JD, Dai KS, et al. A Genome-Based Resource for Molecular Cardiovascular Medicine: Toward a Compendium of Cardiovascular Genes. Circulation 1997;96:4146-203).

15 A total of 12,651 ESTs and 14,222 ESTs were obtained from the mild and severe OA cDNA libraries (Table 5 and Table 6), respectively. About 43% of mild and 51% of severe OA ESTs matched to known genes in the database. Approximately 2.6% and 1.5% of the ESTs, respectively, resulted in no significant match and were thus designated as novel.

Characterization of the 12,651 EST sequences from the mild OA library and of the

20 14,222 EST sequences from the severe OA library based on functional characterization of the known genes represented resulted in the following tables:

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| Table 4. Mild OA Cartilage Library | | |
|------------------------------------|--|-----------------|
| Putative Function | Percent (%) of Representation in the Library | Number of Genes |
| Cell division | 6.39 | 127 |
| Cell signaling/communication | 15.31 | 304 |
| Cell structure/motility | 9.16 | 182 |
| Cell/organism defense | 8.41 | 167 |
| Gene/protein expression | 21.60 | 429 |
| Metabolism | 13.95 | 277 |
| Unclassified | 22.76 | 452 |
| Total known/unique genes analyzed | 100.00 | 1938 |

| Table 5. Severe OA Cartilage Library | | |
|--------------------------------------|--|-----------------|
| Putative Function | Percent (%) of Representation in the Library | Number of genes |
| Cell division | 6.81 | 157 |
| Cell signaling/communication | 14.14 | 326 |
| Cell structure/motility | 8.50 | 196 |
| Cell/organism defense | 7.98 | 184 |
| Gene/protein expression | 22.94 | 529 |
| Metabolism | 13.53 | 312 |
| Unclassified | 23.94 | 552 |
| Total known/unique genes analyzed | 100.00 | 2256 |

Example 4: Identification Of Differentially Expressed Genes In Fetal, Normal Mild Osteoarthritic, And Severe Osteoarthritic Cartilage

Genes that are differentially expressed as defined herein between normal, mild, severe and fetal cartilage were identified through relative EST frequency analysis (see Figure 6). Of the 5,807 known unique genes identified in Figure 6, 405 genes were found to be expressed in all four tissue types. Examples of the possible subanalyses are shown in Figures 15 and 16. Some of these genes with particularly marked differential expression are shown in Figure 4. The relative frequency of ESTs representing collagens (Figures 2 and 3) and selected extracellular matrix proteins (see Figure 1) were also analyzed.

Example 5: Microarray Construction

A microarray according to the invention was constructed as follows.

PCR products (~40 ul) of cDNA clones from OA cartilage cDNA libraries, in the same 96-well tubes used for amplification, are precipitated with 4 ul (1/10 volume) of 3M sodium acetate (pH 5.2) and 100 ul (2.5 volumes) of ethanol and stored overnight at -20°C. They are then centrifuged at 3,300 rpm at 4°C for 1 hour. The obtained pellets were washed with 50 ul ice-cold 70% ethanol and centrifuged again for 30 minutes. The pellets are then air-dried and resuspended well in 50% dimethylsulfoxide (DMSO) or 20ul 3X SSC overnight. The samples are then deposited either singly or in duplicate onto Gamma Amino Propyl Silane (Corning CMT-GAPS or CMT-GAP2, Catalog No. 40003, 40004) or polylysine-coated slides (Sigma Cat. No. P0425) using a robotic GMS 417 or 427 arrayer (Affymetrix, CA). The boundaries of the DNA spots on the microarray are marked with a diamond scribe. The invention provides for arrays wherein 10-20,000 PCR products are spotted onto a solid support to prepare an array.

The arrays are rehydrated by suspending the slides over a dish of warm particle free ddH₂O for approximately one minute (the spots will swell slightly but not run into each other) and snap-dried on a 70-80°C inverted heating block for 3 seconds. DNA is then UV

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crosslinked to the slide (Stratagene, Stratalinker, 65 mJ – set display to “650” which is 650 x 100 uJ) or baked at 80C for two to four hours. The arrays are placed in a slide rack. An empty slide chamber is prepared and filled with the following solution: 3.0 grams of succinic anhydride (Aldrich) is dissolved in 189 ml of 1-methyl-2-pyrrolidinone (rapid addition of reagent is crucial); immediately after the last flake of succinic anhydride dissolved, 21.0 ml of 0.2 M sodium borate is mixed in and the solution is poured into the slide chamber. The slide rack is plunged rapidly and evenly in the slide chamber and vigorously shaken up and down for a few seconds, making sure the slides never leave the solution, and then mixed on an orbital shaker for 15-20 minutes. The slide rack is then gently plunged in 95°C ddH₂O for 2 minutes, followed by plunging five times in 95% ethanol. The slides are then air dried by allowing excess ethanol to drip onto paper towels. The arrays are then stored in the slide box at room temperature until use.

Example 6: Target Nucleic acid Preparation and Hybridization

Preparation of Fluorescent DNA Probe from mRNA

15 Fluorescently labeled target nucleic acid samples are prepared for analysis with an array of the invention.

20 2 µg Oligo-dT primers are annealed to 2 ug of mRNA isolated from a cartilage sample from patient diagnosed with osteoarthritis or suspected of having osteoarthritis in a total volume of 15 ul, by heating to 70°C for 10 min, and cooled on ice. The mRNA is reverse transcribed by incubating the sample at 42°C for 1.5-2 hours in a 100 µl volume containing a final concentration of 50 mM Tris-HCl (pH 8.3), 75 mM KCl, 3 mM MgCl₂, 25 mM DTT, 25 mM unlabeled dNTPs, 400 units of Superscript II (200 U/uL, Gibco BRL), and 15 mM of Cy3 or Cy5 (Amersham). RNA is then degraded by addition of 15µl of 0.1N NaOH, and incubation at 70°C for 10 min. The reaction mixture is neutralized by addition of 15µl of 25 0.1N HCL, and the volume is brought to 500µl with TE (10mM Tris, 1mM EDTA), and 20 µg of Cot1 human DNA (Gibco-BRL) is added.

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The labeled target nucleic acid sample is purified by centrifugation in a Centricon-30 micro-concentrator (Amicon). If two different target nucleic acid samples (e.g., two samples derived from different patients) are being analyzed and compared by hybridization to the same array, each target nucleic acid sample is labeled with a different fluorescent label (e.g., Cy3 and Cy5) and separately concentrated. The separately concentrated target nucleic acid samples (Cy3 and Cy5 labeled) are combined into a fresh centricon, washed with 500 μ l TE, and concentrated again to a volume of less than 7 μ l. 1 μ L of 10 μ g/ μ l polyA RNA (Sigma, #P9403) and 1 μ l of 10 μ g/ μ l tRNA (Gibco-BRL, #15401-011) is added and the volume is adjusted to 9.5 μ l with distilled water. For final target nucleic acid preparation 2.1 μ l 20XSSC (1.5M NaCl, 150mM NaCitrate (pH8.0)) and 0.35 μ l 10%SDS is added.

Hybridization

Labeled nucleic acid is denatured by heating for 2 min at 100°C, and incubated at 37°C for 20-30 min before being placed on a nucleic acid array under a 22mm x 22mm glass cover slip. Hybridization is carried out at 65°C for 14 to 18 hours in a custom slide chamber with humidity maintained by a small reservoir of 3XSSC. The array is washed by submersion and agitation for 2-5 min in 2X SSC with 0.1%SDS, followed by 1X SSC, and 0.1X SSC. Finally, the array is dried by centrifugation for 2 min in a slide rack in a Beckman GS-6 tabletop centrifuge in Microplus carriers at 650 RPM for 2 min.

Example 7: Signal Detection And Data Generation

Following hybridization of an array with one or more labeled target nucleic acid samples, arrays are scanned immediately using a GMS Scanner 418 and Scanalyzer software (Michael Eisen, Stanford University), followed by GeneSpring software (Silicon Genetics, CA) analysis. Alternatively, a GMS Scanner 428 and Jaguar software may be used followed by GeneSpring software analysis

If one target nucleic acid sample is analyzed, the sample is labeled with one fluorescent dye (e.g., Cy3 or Cy5).

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After hybridization to a microarray as described in Example 6, fluorescence intensities at the associated nucleic acid members on the microarray are determined from images taken with a custom confocal microscope equipped with laser excitation sources and interference filters appropriate for the Cy3 or Cy5 fluors.

5 The presence of Cy3 or Cy5 fluorescent dye on the microarray indicates hybridization of a target nucleic acid and a specific nucleic acid member on the microarray. The intensity of Cy3 or Cy5 fluorescence represents the amount of target nucleic acid which is hybridized to the nucleic acid member on the microarray, and is indicative of the expression level of the specific nucleic acid member sequence in the target sample.

10 When two target nucleic acid samples are being analyzed and compared (e.g., mild osteoarthritic vs severe osteoarthritic), one target nucleic acid sample (for example, mild osteoarthritic) is labeled with fluorescent dye Cy3, the other target nucleic acid sample (for example, severe osteoarthritis) is labeled with fluorescent dye Cy5.

15 After hybridization as described in Example 6, fluorescence intensities at the associated nucleic acid members on the microarray are determined from images taken with a custom confocal microscope equipped with laser excitation sources and interference filters appropriate for the Cy3 and Cy5 fluors. Separate scans are taken for each fluor at a resolution of $225 \mu\text{m}^2$ per pixel and 65,536 gray levels. Normalization between the images is used to adjust for the different efficiencies in labeling and detection with the two different fluors.

20 This is achieved by manual matching of the detection sensitivities to bring a set of internal control genes to nearly equal intensity followed by computational calculation of the residual scalar required for optimal intensity matching for this set of genes.

25 The presence of Cy3 or Cy5 fluorescent dye on the microarray indicates hybridization of a target nucleic acid and a specific nucleic acid member on the microarray. The intensities of Cy3 or Cy5 fluorescence represent the amount of target nucleic acid which is hybridized to the nucleic acid member on the microarray, and is indicative of the expression level of the specific nucleic acid member sequence in the target sample. If a nucleic acid member on the

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array shows no color, it indicates that the gene in that element is not expressed in either sample. If a nucleic acid member on the array shows a single color, it indicates that a labeled gene is expressed only in that cell sample. The appearance of both colors indicates that the gene is expressed in both tissue samples. The differences in Cy3 and Cy5 fluorescence intensities, after normalization, are indicative of differences of expression levels of the associated nucleic acid member sequence in the two samples for comparison. Differences in expression intensity between the two samples greater than 1.0 fold are used as an indication of differential gene expression.

The array is scanned in the Cy 3 and Cy5 channels and stored as separate 16-bit TIFF images. The images are incorporated and analysed using Scanalyzer software which includes a gridding process to capture the hybridization intensity data from each spot on the array. The fluorescence intensity and background-subtracted hybridization intensity of each spot is collected and a ratio of measured mean intensities of Cy5 to Cy3 is calculated. A linear regression approach is used for normalization and assumes that a scatter plot of the measured Cy5 versus Cy3 intensities should have a slope of one. The average of the ratios is calculated and used to rescale the data and adjust the slope to one. A post-normalization cutoff of greater than 1.0 fold up- or down-regulation is used to identify differentially expressed genes.

Analysis of a microarray comprising some of the sequences in Figure 14, resulted in 36 candidate upregulated genes in the mild OA library that showed a greater than 2-fold median ratio and 47 candidate downregulated genes that showed a less than 0.2-fold median ratio (Figures 9 and 10, respectively). A total of 38 candidate upregulated genes were also identified in the severe OA library that showed a greater than 2-fold median ratio and 51 candidate downregulated genes that showed a less than 0.2-fold median ratio (Figures 11 and 12, respectively). According to this embodiment, the microarray was hybridized with a target nucleic acid sample derived from an individual diagnosed with mild osteoarthritis and a target nucleic acid sample derived from an individual diagnosed with severe osteoarthritis. As would be clear to a person skilled in the art, similar analysis can be performed for any of the

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sequences identified in Figure 13, or the sequences identified in Figure 6A which correspond to the genes disclosed in Figure 6 using the methods disclosed herein.

Example 8: Chondrocyte-Specific Gene Microarray And Diagnosis Microarray Construction

5 A collection of nucleic acid members are spotted on a glass slide as described in Example 5 for the construction of a mild OA diagnosis microarray. A collection of nucleic acid members are spotted on a glass slide as described in Example 5 for the construction of a severe OA diagnosis microarray. A collection of chondrocyte specific nucleic acid members are spotted on a glass slide as described in Example 5 for the construction of a chondrocyte-specific gene microarray. The nucleic acid members spotted onto the microarrays described
10 are selected from those named in Figures 6B, 6C, 6D and 6E.

Example 9: Diagnosis

 Target nucleic acid samples are prepared from cartilage RNA extracts of an individual (as described in Example 6) and hybridized to a microarray comprising a collection of nucleic
15 acid members wherein at least one member is differentially expressed in cartilage isolated from a patient diagnosed with mild, moderate, marked or severe osteoarthritis, as compared to cartilage isolated from a normal individual as defined herein (as described in Example 6). A hybridization pattern is generated and analyzed as in Example 7. For example, the hybridization of target nucleic acid samples to one or more nucleic acid members on the
20 microarray comprising a collection of nucleic acid members wherein at least one member is differentially expressed in mild osteoarthritis cartilage as compared to a normal individual is indicative of a mild osteoarthritis of the individual from whom the target nucleic acid sample is derived. The hybridization of target nucleic acid samples to one or more nucleic acid members on the microarray comprising a collection of nucleic acid members differentially
25 expressed in severe osteoarthritis cartilage as compared to the normal individual is indicative of severe osteoarthritis of the individual from whom the target nucleic acid sample is derived.

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Example 10: Therapeutic Agent Screening

A candidate therapeutic agent that increases or decreases the expression of one or more polynucleotide sequences that are differentially expressed in a chondrocyte derived from any of the following chondrocyte disease or developmental stages: fetal, mild osteoarthritic, moderate osteoarthritic, marked osteoarthritic and severe osteoarthritic, is screened according to the following method.

Chondrocytes are isolated from a "normal" individual and are incubated in the presence and absence of a candidate agent for varying amounts of time (i.e., 30 min, 1 hr, 5 hr, 24 hr, 48 hr and 96 hrs). When screening for therapeutic genes, a clone of a full gene sequence corresponding to an EST in Figure 6A or Figure 13 is used to transfect chondrocytes. The transfected chondrocytes are cultured for varying amounts of time (i.e., 1, 2, 3, 5, 7, 10, or 14 days). Following incubation, target nucleic acid samples are prepared from the chondrocytes and hybridized to a nucleic acid probe corresponding to a polynucleotide sequence which is differentially expressed in a chondrocyte derived from at least any two of the following of: fetal, normal, mild osteoarthritic, moderate osteoarthritic and severe osteoarthritic. The nucleic acid probe is labeled, for example with a radioactive label, according to methods well-known in the art and described herein. Hybridization is carried out by northern blot, for example as described in Ausubel et al., *supra* or Sambrook et al., *supra*). The differential hybridization, as defined herein, of the probe to the target nucleic acid samples from normal relative to RNA from any one of fetal, mild osteoarthritic, moderate osteoarthritic, marked osteoarthritic and severe osteoarthritic is indicative of the level of expression of RNA corresponding to a differentially expressed chondrocyte specific polynucleotide sequence. A change in the level of expression of the probe sequence as a result of the incubation step in the presence of the candidate agent, is indicative of an agent that increases or decreases the expression of the corresponding chondrocyte specific polynucleotide sequence.

Example 11: Assessing The Integrity Of Cartilage RNA Isolated Post-Mortem

The following Baboon cartilage study was performed to evaluate the quality of freshly isolated RNA and RNA isolated at various times post-mortem.

Nine vials of baboon cartilage were obtained, and stored in liquid nitrogen till use.

- 5 Baboon cartilage from each vial was weighed and finely powdered under liquid nitrogen. The sample was then homogenized in TRIzol® reagent (0.1g/ml TRIzol®) and total RNA was extracted. The quantity of RNA was calculated according to the OD₂₆₀ value. The appearance of two sharp bands on the RNA gel indicated that the RNA was of good quality.

- 10 RT-PCR was performed for the gene expression of collagen type II (COL2A1), B-actin and GAPDH, using 0.1ug total RNA from each sample.

The RNA gel pattern clearly shows that the RNA was not degraded up to 12 hours post-mortem (Table 7). Therefore stable RNA should be expected from the biopsy sample within 12 hours after death.

| Table 7. Integrity Of Cartilage RNA Isolated Post-Mortem | | | | | | | |
|--|------------|------------|---------------------------------|-------------------|--------|---------|-------|
| Sample No. | Time Taken | Weight (g) | Total RNA (ug) - Based on OD260 | RNA Gel (non Dil) | Col2A1 | β-actin | GAPDH |
| 1 | Fresh | 0.175 | 8 | OK | ++ | ++ | ++ |
| 2 | 1hr pm | 0.29 | 9 | OK | ++ | ++ | ++ |
| 3 | 2hr | 0.29 | 11.36 | OK | ++ | +/- | +/- |
| 4 | 3hr | 0.25 | 2.8 | OK | ++ | +/- | +/- |
| 5 | 6hr | 0.53 | 8.0 | OK | ++ | + | +/- |
| 6 | 8hr | 0.18 | 5.26 | OK | ++ | + | - |
| 7 | 10hr | 0.38 | 9.35 | OK | ++ | + | +/- |

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| | | | | | | | |
|---|------|------|------|-------|-----|-----|---|
| 8 | 12hr | 0.20 | 6.7 | OK | ++ | +/- | - |
| 9 | 24hr | 0.41 | 9.35 | SMEAR | +/- | - | - |

Collagen type II is abundant and specific to normal articular cartilage. Its mRNA level was comparable among all the samples except #9 (24 hours post-mortem). It should be noted that samples taken earlier will better reflect the natural *in vivo* state.

Example 12. Expressed Sequence Tags (ESTs) Analysis of Human Chondrocyte Gene Expression in Mild and Severe Osteoarthritic Cartilage

Large-scale partial sequencing of cDNA libraries obtained from human fetal cartilage was performed to identify expressed sequence tags (ESTs) corresponding to genes that might play critical roles in OA progression. Large scale sequencing of cDNA libraries from human normal, mild and severe OA cartilage was also performed and a total of over 44,000 ESTs from the three cDNA libraries were analyzed.

Normal cartilage was obtained from the donor program of Department of Orthopaedics and Rehabilitation, University of Miami. OA cartilage samples were obtained from either areas of very early cartilage degeneration (mild) or from sites of end stage disease (severe) during either arthroscopic knee surgery or total knee replacement. Total RNA from cartilage was extracted using TRIzol® reagent (GIBCO). cDNA libraries were constructed into λTriplEx2 vector through a PCR-based method, using SMART (Switching Mechanism At 5' end of RNA Transcript) cDNA Library Construction Kit (Clontech) as described above. Phage plaques were randomly picked and positive inserts were identified by PCR. Agarose gel electrophoresis was used to assess the presence and purity of inserts. PCR product was then subjected to automated DNA sequencing with a 5' vector-specific forward primer and sequenced by ABI PRISM 377 DNA sequencer (Perkin Elmer) and ABI PRISM 3700 DNA Analyzer (Applied Biosystems). All generated EST sequences were searched against the nonredundant Genbank/EMBL/DDBL, dbEST and GSS databases. A minimum value of $p=10^{-10}$ and nucleotide sequence identity >90% were required for assignments of putative

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identities for EST-matching to known genes or other ESTs. Relative EST frequency level was calculated by dividing the EST number matched to that gene into the total number of ESTs obtained from the library.

A total of 17,151 ESTs, 12,651 ESTs and 14,222 ESTs were obtained from normal, mild and severe OA cDNA libraries respectively and used for gene expression profiling. About 44% of the total ESTs from these three cDNA libraries matched to known genes in the database, and about 0.9% of the ESTs (409) resulted in no significant match to known sequences and were thus designated as novel. Nonredundancy analysis of the known gene matches resulted in the identification of 2,518 unique genes in normal, 1,938 in mild and 2,256 in severe OA cartilage. Differentially expressed known genes amongst fetal (22), normal, mild, and severe OA cartilage (23) were identified by examining relative EST frequency levels as shown in Figure 6.

Some of the genes with particularly marked differential expression are shown in Figure 4 provided herewith. Heat shock protein 90 (HSP90) was the gene with the most abundant ESTs matches in mild OA. Its transcript level was low in fetal cartilage. Beta-2 microglobulin (B2M) level was higher in diseased cartilage than normal cartilage, and significantly higher in diseased cartilage than in fetal cartilage. Its EST levels in mild and severe OA were similar. Osteoblast specific factor 2 (OSF-2p1) was highly expressed in severe OA compared to fetal, mild and normal cartilage. Another differentially expressed gene was megakaryocyte stimulating factor (MSF, also known as superficial zone protein, or proteoglycan 4). It had a significantly higher expression in mild OA than in severe OA.

The relative frequency of ESTs representing the collagens was also analyzed as shown in Figure 3.

Noncollagenous matrix protein profiles showed higher EST levels of decorin (DCN), fibronectin (FN), lumican (LUM) and matrix G1a protein (MGP) in both mild and severe OA cartilage as shown in Figures 1 and 4 provided herewith.

Example 13. Microarray Analysis Of Beta-2 Microglobulin (B2M) Expression In Human Osteoarthritis

5 As discussed above, Beta-2 microglobulin (B2M) had a high EST expression level in mild and severe OA cartilage. B2M is a nonglycosylated polypeptide that is elevated in inflammatory and malignant diseases. It has been shown to induce stromelysin and cyclooxygenase-2 synthesis in human synovial fibroblasts (24, 25).

10 B2M expression during different stages of osteoarthritis was evaluated. Human OA synovial fluid (SF) was collected from human knee joint by aspiration at arthroscopy or total knee replacement. Normal samples were collected from volunteers with no history of knee injury or arthritis. Organ culture was performed as follows: human severe OA cartilage slices were cultured at one slice/well in a 24-well plate in DMEM (Dulbecco's modified Eagle medium), with 10% FCS, 100 units/ml penicillin and 100 mg/ml streptomycin (DMEM++) at
15 37°C in a humidified atmosphere of 5% CO₂. Cultured medium (20 ul) was then collected at different time points for B2M testing. B2M levels in synovial fluid and cartilage organ cultured medium were measured using a B2M enzyme immunoassay test kit (ALPCO). Statistical significance was assessed by Student's t-test with P values less than 0.05 being considered significant. Cell culture of chondrocytes from patients with severe OA was
20 performed as follows. Chondrocytes were derived from cartilage from patients with severe OA through collagenase type II digestion. Cells were then seeded at 6.5×10^4 /well (3.2×10^4 /ml) in a 6-well plate and treated with or without 10 ug/ml B2M (Sigma) for 72 hr. Microarrays containing 5184 chondrocyte-specific cDNA clones were used for gene expression profiling.

25 The average B2M levels detected in normal (nor), mild (mioa), moderate (mooa), marked (maoa) and severe OA (seoa) synovial fluid are shown in Figure 17. B2M in osteoarthritis synovial fluid is significantly higher than that in normal. However, no significant difference was found in B2M levels among different osteoarthritis stages.

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To assess if chondrocytes contribute B2M secretion, medium from cultured severe OA cartilage was collected and tested for B2M. Figure 18 shows the release of B2M is detectable after 24 hour culture and continues to increase during the 72 hour study period. At 72 hours, the accumulation of B2M was about 2.1 ug/g cartilage. Similar results were obtained across
 5 three experimental runs, each using cartilage from a different donor.

Genes regulated by B2M were detected through microarray technology as described above. Figure 19 shows a black and white representation of a two-color fluorescent scan. Cy3 labeling (which would appear as green spots) correspond to genes preferentially expressed in non-B2M treated chondrocytes, while Cy5 labeling (which would appear as
 10 reddish spots) represent genes preferentially expressed in B2M treated chondrocytes. Genes expressed at approximately equal levels would appear as yellow spots. The identity of genes was determined by the location of nucleic acid members on the array. Some of the genes that were up or down-regulated at least two-fold by B2M are listed in Table 8.

| Table 8. Genes Regulated by B2M | |
|--|--------------------------------------|
| Up-Regulated | Down-Regulated |
| Adrenomedullin | hypothetical protein (KIAA0102) |
| chitinase precursor=YKL-39 | intersectin short form |
| collagen type III, alpha 1 | KARP-1 binding protein 2 (KAB2) |
| manganese superoxide dismutase (SOD-2) | peripheral myelin protein 22 (PMP22) |
| syntaxin 7 | putative GTP binding protein |

15 Variations, modifications, and other implementations of what is described herein will occur to those of ordinary skill in the art without departing from the spirit and scope of the invention. The references provided below are incorporated herein by reference in their entireties.

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What is claimed is:

Claims

1. One or more isolated polynucleotide sequences selected from the group consisting of those sequences identified in Figure 6A which correspond to genes 1-5807 identified in Figure 6 and/or those sequences identified in Figure 13.
2. A vector comprising an isolated polynucleotide sequence of claim 1.
3. A host cell comprising the vector of claim 2.
4. A composition comprising one or more chondrocyte enriched or chondrocyte-specific polynucleotide sequences isolated from one or more of (a) fetus, (b) normal, (c) mildly osteoarthritic, (d) moderately osteoarthritic, (e) markedly osteoarthritic or (f) severely osteoarthritic cartilage samples.
5. A composition comprising one or more polynucleotide sequences selected from the group consisting of sequences identified in Figure 6B whose sequences are disclosed in Figure 14.
6. A composition comprising one or more polynucleotide sequences selected from the group consisting of sequences identified in Figure 6C whose sequences are disclosed in Figure 14.
7. A composition comprising one or more polynucleotide sequences selected from the group consisting of sequences identified in Figure 6D whose sequences are disclosed in Figure 14.
8. A composition comprising one or more polynucleotide sequences selected from the group consisting of those sequences identified in Figure 6E whose sequences are disclosed in Figure 14.

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9. A composition comprising one or more polynucleotide sequences selected from the group consisting of those sequences identified in Figure 6B, 6C, 6D, and 6E whose sequences are disclosed in Figure 14.
- 5 10. A composition comprising one or more polynucleotide sequences wherein at least one of said polynucleotide sequences is differentially expressed in cartilage from a patient diagnosed with mild osteoarthritis relative to cartilage from a normal individual, wherein cartilage isolated from said normal individual is isolated from cartilage tissue obtained less than 14 hours post-mortem.
- 10 11. A composition comprising one or more polynucleotide sequences wherein at least one of said polynucleotide sequences is differentially expressed in cartilage from a patient diagnosed with severe osteoarthritis relative to cartilage derived from a normal individual, wherein cartilage isolated from said normal individual is isolated from cartilage tissue obtained less than 14 hours post-mortem.
- 15 12. A composition comprising one or more polynucleotide sequences wherein at least one of said polynucleotide sequences is differentially expressed in cartilage from a patient diagnosed with marked osteoarthritis relative to cartilage derived from a normal individual, wherein cartilage isolated from said normal individual is isolated from cartilage tissue obtained less than 14 hours post-mortem.
- 20 13. A composition comprising one or more polynucleotide sequences wherein at least one of said polynucleotide sequences is differentially expressed in cartilage from a patient diagnosed with moderate osteoarthritis relative to cartilage derived from a normal individual, wherein cartilage isolated from said normal individual is isolated from cartilage tissue obtained less than 14 hours post-mortem.
- 25 14. A composition comprising one or more polynucleotide sequences wherein at least one of said polynucleotide sequences is differentially expressed in cartilage from a patient diagnosed with mild osteoarthritis relative to cartilage isolated from a fetus.

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15. A composition comprising one or more polynucleotide sequences wherein at least one of said polynucleotide sequences is differentially expressed in cartilage from a patient diagnosed with moderate osteoarthritis relative to cartilage isolated from a fetus.
16. A composition comprising one or more polynucleotide sequences wherein at least one
5 of said polynucleotide sequences is differentially expressed in cartilage from a patient diagnosed with marked osteoarthritis relative to cartilage isolated from a fetus.
17. A composition comprising one or more polynucleotide sequences wherein at least one of said polynucleotide sequences is differentially expressed in cartilage from a patient diagnosed with severe osteoarthritis relative to cartilage isolated from a fetus.
- 10 18. A composition comprising one or more polynucleotide sequences wherein at least one of said polynucleotide sequences is differentially expressed in cartilage from normal individual relative to cartilage isolated from a fetus.
19. A composition comprising one or more polynucleotide sequences wherein at least one of said polynucleotide sequences is differentially expressed in cartilage isolated from
15 any two or more of the following sources: (a) fetus (b) patient with mild osteoarthritis, (c) patient with moderate osteoarthritis, (d) patient with marked osteoarthritis, (e) patient with severe osteoarthritis or (f) cartilage isolated from a normal individual isolated from cartilage tissue obtained less than 14 hours post-mortem.
20. A composition comprising one or more polynucleotide sequences identified in Figure
20 9 and/or sequences identified in Figure 6A which correspond to the genes disclosed in Figure 9.
21. A composition comprising one or more polynucleotide sequences identified in Figure 11 and/or sequences identified in Figure 6A which correspond to the genes disclosed in Figure 11.

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22. A composition comprising one or more polynucleotide sequences identified in Figure 6A which correspond to the genes disclosed in Figure 15 and Figure 16.
23. A composition comprising one or more polynucleotides sequences identified in Figure 6A which correspond to the genes disclosed in Figure 6.
- 5 24. A composition comprising one or more polynucleotide sequences comprising one or more of the sequences disclosed in Figure 13.
25. An array comprising:
- 10 a plurality of nucleic acid members, wherein at least one member is differentially expressed in cartilage from a patient diagnosed with mild osteoarthritis, as compared to cartilage from a normal individual; and a solid substrate; wherein each nucleic acid member has a unique position on said array and is stably associated with said solid substrate.
26. An array comprising:
- 15 a plurality of nucleic acid members, wherein at least one member is differentially expressed in cartilage isolated from a patient diagnosed with severe osteoarthritis, as compared to cartilage from a normal individual; and a solid substrate; wherein each nucleic acid member has a unique position on said array and is stably associated with said solid substrate.
27. An array comprising:
- 20 a plurality of nucleic acid members, wherein at least one member is differentially expressed in cartilage isolated from a patient diagnosed with moderate osteoarthritis, as compared to cartilage from a normal individual; and a solid substrate, wherein each nucleic acid member has a unique position on said array and is stably associated with said solid substrate.

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28. An array comprising:
- a plurality of nucleic acid members, wherein at least one member is differentially expressed in cartilage isolated from a patient diagnosed with marked osteoarthritis, as compared to cartilage from a normal individual; and a solid substrate, wherein each nucleic acid member has a unique position on said array and is stably associated with said solid substrate.
29. An array comprising:
- a plurality of nucleic acid members, wherein at least one member is differentially expressed in cartilage isolated from a fetus, as compared to cartilage from a normal individual; and a solid substrate, wherein each nucleic acid member has a unique position on said array and is stably associated with said solid substrate.
30. An array comprising:
- a plurality of nucleic acid members, wherein at least one member is differentially expressed in cartilage isolated from any two or more of the following sources: (a) a fetus, (b) patient with mild osteoarthritis (c) patient with moderate osteoarthritis (d) patient with marked osteoarthritis (e) severe osteoarthritis, or (f) cartilage from a normal individual and a solid substrate, wherein each nucleic acid member has a unique position on said array and is stably associated with said solid substrate.
31. The array of claim 25, 26, 27, 28, 29 or 30 wherein said normal individual is living.
32. The array of claim 25, 26, 27, 28, 29 or 30 wherein said cartilage isolated from said normal individual is isolated from cartilage tissue less than 14 hours post-mortem.
33. The array of claim 25, 26, 27, 28, 29, 30, 31 or 32 wherein each nucleic acid member is at least 50 nucleotides.

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34. The array of claim 25, 26, 27, 28, 29, 30, 31, 32 or 33 wherein said array comprises from 10 to 20,000 positions.
35. The array of claim 25, 26, 27, 28, 29, 30, 31, 32, 33, or 34 further including negative and positive control sequences and RNA quality control sequences selected from the group consisting of cDNA sequences encoded by housekeeping genes, plant gene sequences, bacterial sequences, PCR products and vector sequences.
36. A method of diagnosing mild osteoarthritis in a patient, comprising: hybridizing a nucleic acid sample corresponding to RNA to an array comprising a solid substrate and a plurality of nucleic acid members, wherein at least one member is differentially expressed in cartilage isolated from a patient diagnosed with mild osteoarthritis, as compared to cartilage isolated from a normal individual, wherein cartilage isolated from said normal individual is isolated from cartilage tissue less than 14 hours post-mortem, and wherein each nucleic acid member has a unique position and is stably associated with the solid substrate, and wherein hybridization of said nucleic acid sample to one or more said differentially expressed nucleic acid members is indicative of mild osteoarthritis.
37. A method of diagnosing moderate osteoarthritis in a patient comprising: hybridizing a nucleic acid sample corresponding to RNA to an array comprising a solid substrate and a plurality of nucleic acid members, wherein at least one member is differentially expressed in cartilage isolated from a patient diagnosed with moderate osteoarthritis, as compared to cartilage isolated from a normal individual, wherein cartilage isolated from said normal individual is isolated from cartilage tissue less than 14 hours post-mortem, and wherein each nucleic acid member has a unique position and is stably associated with said solid substrate, and wherein hybridization of said nucleic acid sample to one or more said differentially expressed nucleic acid members is indicative of moderate osteoarthritis.

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38. A method of diagnosing marked osteoarthritis in a patient comprising: hybridizing a nucleic acid sample corresponding to RNA to an array comprising a solid substrate and a plurality of nucleic acid members, wherein at least one member is differentially expressed in cartilage isolated from a patient diagnosed with marked osteoarthritis, as compared to cartilage isolated from a normal individual, wherein cartilage isolated from said normal individual is isolated from cartilage tissue less than 14 hours post-mortem, wherein each nucleic acid member has a unique position and is stably associated with said solid substrate, and wherein hybridization of said nucleic acid sample to one or more said differentially expressed nucleic acid members is indicative of marked osteoarthritis.
39. A method of diagnosing severe osteoarthritis in a patient comprising: hybridizing a nucleic acid sample corresponding to RNA to an array comprising a solid substrate and a plurality of nucleic acid members, wherein at least one member is differentially expressed in cartilage isolated from a patient diagnosed with severe osteoarthritis, as compared to cartilage isolated from a normal individual, wherein cartilage isolated from said normal individual is isolated from cartilage tissue less than 14 hours post-mortem, wherein each nucleic acid member has a unique position and is stably associated with the solid substrate, and wherein hybridization of said nucleic acid sample to one or more said differentially expressed nucleic acid members is indicative of severe osteoarthritis.
40. The method of claim 36, 37, 38 or 39 further comprising the step of isolating RNA from said patient.
41. The method of claim 40 further comprising the step of isolating RNA from a cartilage sample.
42. The method of claim 40 further comprising the step of isolating RNA from a blood sample.

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43. The method of claim 40 further comprising the step of isolating RNA from a synovial fluid sample.
44. The method of claim 41, 42 and 43 further comprising the step of preparing a nucleic acid sample corresponding to the said RNA.
- 5 45. A method of identifying an agent that increases or decreases the expression of a polynucleotide sequence that is differentially expressed in a chondrocyte derived from any of the following chondrocyte disease or developmental stages: fetal, mild osteoarthritic, moderate osteoarthritic, marked osteoarthritic and severe osteoarthritic, comprising:
- 10 incubating a chondrocyte derived from a normal individual with a candidate agent, wherein said chondrocyte is isolated from a cartilage sample obtained from said normal individual less than 14 hours post-mortem; isolating RNA from said chondrocyte; and hybridizing a probe to said RNA, said probe corresponding to a polynucleotide sequence which is differentially expressed in
- 15 a chondrocyte derived from at least one of the following of: fetal, normal, mild osteoarthritic, moderate osteoarthritic, marked osteoarthritic and severe osteoarthritic, wherein differential hybridization of said probe to said RNA from said normal individual relative to RNA from one or more of fetal, mild osteoarthritic, marked osteoarthritis moderate osteoarthritis or severe
- 20 osteoarthritic samples is indicative of the level of expression of RNA corresponding to a differentially expressed chondrocyte-specific polynucleotide sequence, and wherein, as a result of said incubation step in the presence of said candidate agent, a change in the level of expression of said polynucleotide sequence is indicative of an agent that increases or decreases the expression of
- 25 said chondrocyte specific polynucleotide sequence.
46. A method of preparing a chondrocyte cDNA library comprising,

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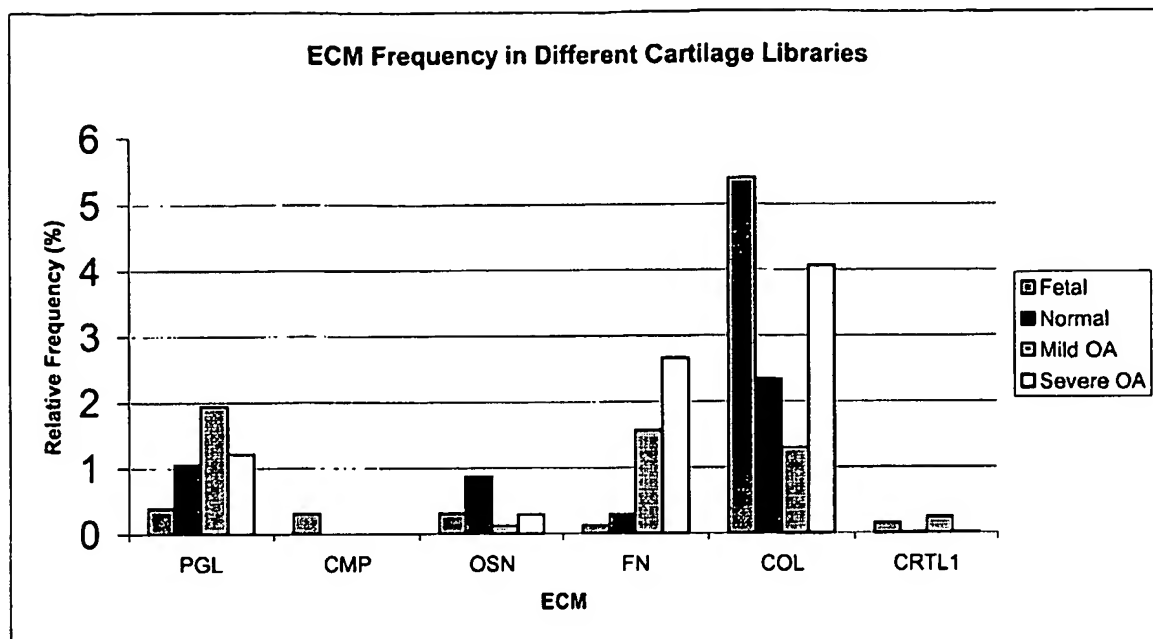
- a)isolating chondrocytes from a cartilage sample derived from one or more normal individuals, wherein said cartilage sample is obtained less than 14 hours post-mortem;
- b) isolating mRNA from said chondrocytes;
- 5 c) synthesizing cDNA from said mRNA; and
- d) ligating said cDNA into a vector.
47. A method of preparing a chondrocyte cDNA library comprising,
- a) isolating chondrocytes from a cartilage sample derived from one or more living normal individuals;
- 10 b) isolating mRNA from said chondrocytes;
- c) synthesizing cDNA from said mRNA; and
- d) ligating said cDNA into a vector.
48. A method of preparing a chondrocyte cDNA library comprising,
- a) isolating chondrocytes from a cartilage sample derived from one or more patients diagnosed with mild osteoarthritis
- 15 b) isolating mRNA from said chondrocytes;
- c) synthesizing cDNA from said mRNA; and
- d) ligating said cDNA into a vector.

49. A method of preparing a chondrocyte cDNA library comprising,
- a) isolating chondrocytes from a cartilage sample derived from one or more patients diagnosed with moderate osteoarthritis
 - 5 b) isolating mRNA from said chondrocytes;
 - c) synthesizing cDNA from said mRNA; and
 - e) ligating said cDNA into a vector.
50. A method of preparing a chondrocyte cDNA library comprising,
- 10 a) isolating chondrocytes from a cartilage sample derived from one or more patients diagnosed with marked osteoarthritis
 - b) isolating mRNA from said chondrocytes;
 - c) synthesizing cDNA from said mRNA; and
 - d) ligating said cDNA into a vector.
- 15 51. A method of preparing a chondrocyte cDNA library comprising,
- a) isolating chondrocytes from a cartilage sample derived from one or more patients diagnosed with severe osteoarthritis
 - b) isolating mRNA from said chondrocytes;
 - c) synthesizing cDNA from said mRNA; and
 - 20 f) ligating said cDNA into a vector.

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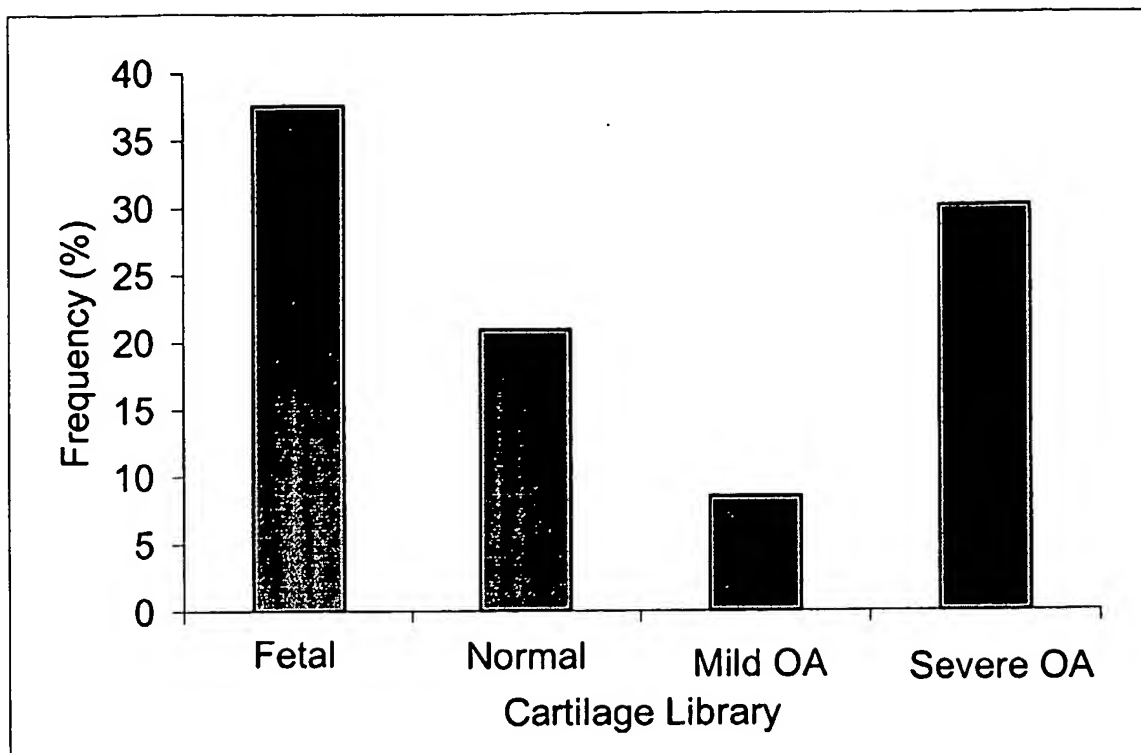
52. A method of preparing a chondrocyte cDNA library comprising,
- a) isolating chondrocytes from one or more fetuses;
 - b) isolating mRNA from said chondrocytes;
 - c) synthesizing cDNA from said mRNA; and
 - 5 d) ligating said cDNA into a vector.
53. A method of making an array comprising a plurality of nucleic acid members selected from those sequences identified in Figure 14 on a solid support, said support comprising a surface with a plurality of pre-selected unique regions, said method comprising:
- 10 spotting each nucleic acid member individually onto a unique pre-selected region and stably attaching each nucleic acid member to said solid support.
54. The method of claim 53, wherein at least one nucleic acid member is differentially expressed in cartilage isolated from (a) a fetus or a patient diagnosed with (b) mild, (c) moderate, (d) marked, (e) severe osteoarthritis, or (f) cartilage isolated from a normal
- 15 individual as compared to a cDNA library prepared from any other of the sources (a) to (f) above.
55. The method of claim 54, wherein the cartilage isolated from one or more normal individuals is isolated from cartilage tissue less than 14 hours post-mortem.
56. A method of claim 54 wherein the cartilage is isolated from one or more living normal
- 20 individuals.
57. A kit comprising an array of claim 25, 26, 27, 28, 29, 30, 31, 32, 33, 34 or 35 and packaging means therefore.

Figure 1- Relative EST Frequencies of Selected ECM Proteins

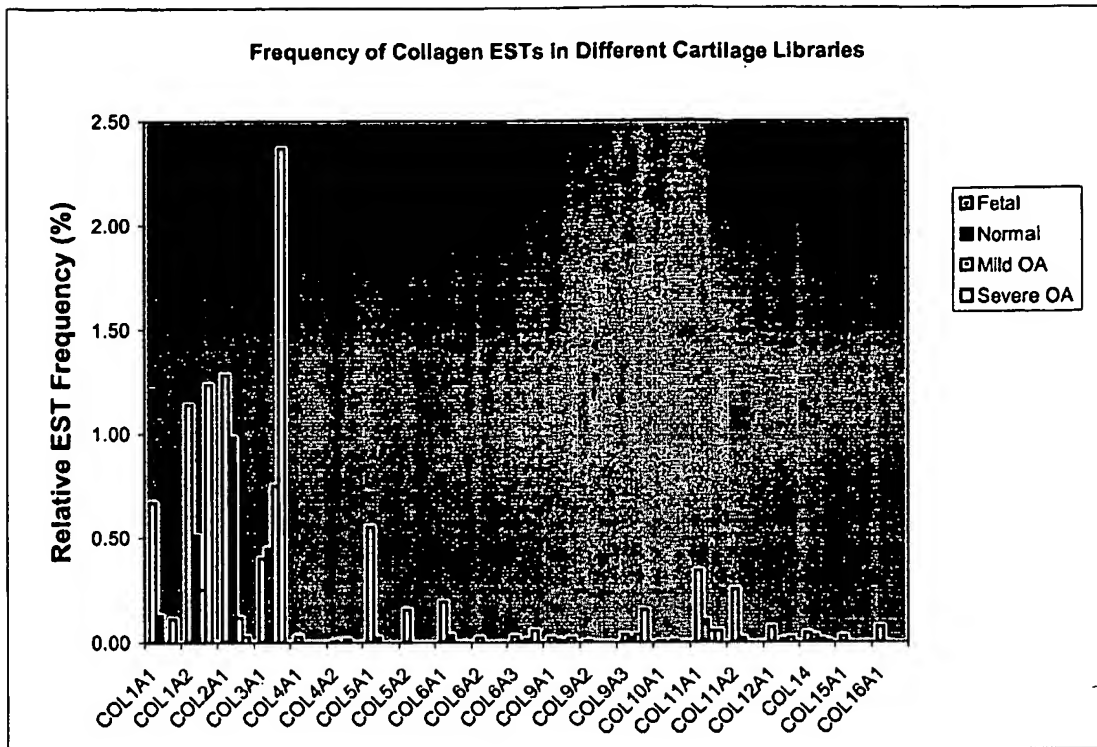


Legend: PGL=proteoglycan, CMP=cartilage matrix proteins, OSN=osteonectin, FN=fibronectin, COL=collagens, CRTL 1=cartilage link protein

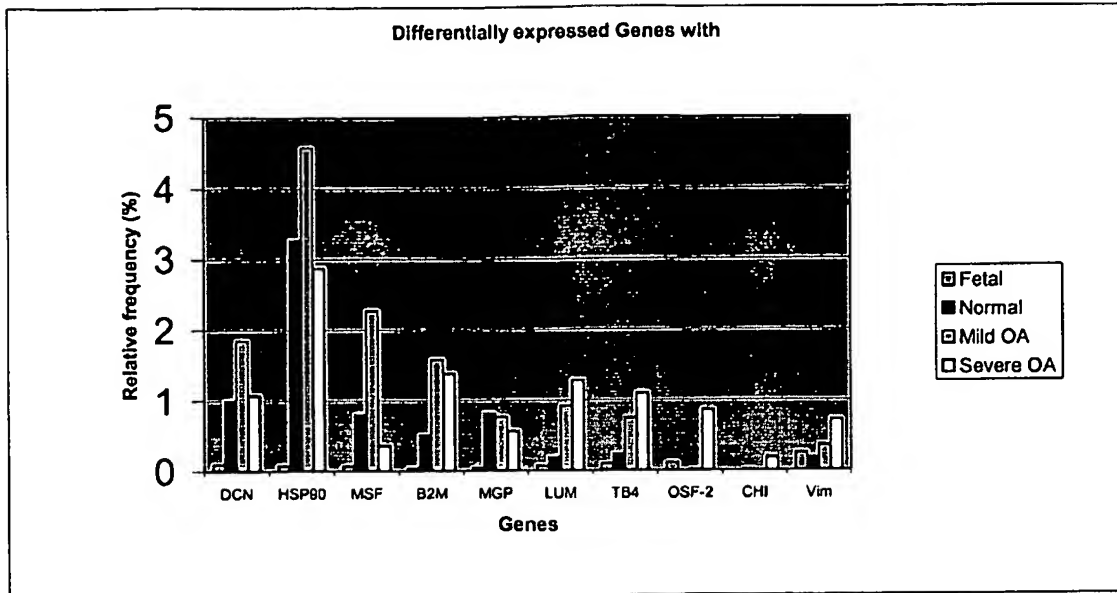
| | Fetal | | Normal | | Mild | | Severe | |
|--|------------|------|------------|------|------------|------|-------------|------|
| PROTEOGLYCANS | | | | | | | | |
| aggrecan (cartilage specific proteoglycan) | 14 | | 1 | | 4 | | 3 | |
| chondroitin sulfate proteoglycan 2 (versican) (CSPG2) | 1 | | 4 | | 2 | | 0 | |
| chondroitin sulfate proteoglycan 4 (melanoma-associated) (CSPG4) | 3 | | 0 | | 0 | | 0 | |
| dermatan sulfate proteoglycan 3 (DSPG3) | 7 | | 0 | | 0 | | 0 | |
| heparan sulfate proteoglycan (HSPG) | 9 | | 4 | | 4 | | 12 | |
| keratocan (keratan sulfate proteoglycan) | 2 | | 0 | | 0 | | 0 | |
| bone/cartilage proteoglycan I precursor (Biglycan) (PG-S1) | 2 | | 1 | | 1 | | 4 | |
| decorin (chondroitin/dermatan sulfate proteoglycan PG40 =DCN) | 14 | | 172 | | 234 | | 154 | |
| Total | 52 | | 182 | | 245 | | 173 | |
| | | % | | % | | % | | % |
| Proteoglycans | 52 | 0.39 | 182 | 1.06 | 245 | 1.94 | 173 | 1.22 |
| cartilage matrix protein (CMP) genes | 42 | 0.31 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| osteonectin (secreted protein, acidic, cysteine-rich SPARC) | 42 | 0.31 | 149 | 0.87 | 15 | 0.12 | 42 | 0.30 |
| fibronectin | 18 | 0.12 | 50 | 0.29 | 198 | 1.57 | 379 | 2.67 |
| Collagen | 722 | 5.39 | 401 | 2.34 | 164 | 1.30 | 578 | 4.06 |
| cartilage link protein (CRTL1) (ORF) | 20 | 0.15 | 2 | 0.01 | 31 | 0.25 | 1 | 0.01 |
| Total | 894 | | 784 | | 653 | | 1173 | |

Figure 2 - Relative Frequency of Collagen ESTs

| cDNA Library | Collagen ESTs | Frequency (%) |
|---------------------|---------------|---------------|
| Fetal | 722 | 37.6 |
| Normal | 401 | 20.9 |
| Mild OA | 164 | 8.5 |
| Severe OA | 578 | 30.1 |
| Total Collagen ESTs | 1865 | |



| | Fetal | 13398 | Normal | 17152 | Mild | 12651 | Severe | 14221 |
|--|-------|-------|--------|-------|------|-------|--------|-------|
| Collagen Genes | 722 | % | 401 | % | 164 | % | 578 | % |
| collagen type I alpha 1 (COL1A1) | 90 | 0.67 | 22 | 0.13 | 0 | 0.00 | 16 | 0.11 |
| collagen type I alpha 2 (COL1A2) | 153 | 1.14 | 88 | 0.51 | 32 | 0.25 | 176 | 1.24 |
| collagen type II alpha 1 (COL2A1) | 172 | 1.28 | 169 | 0.99 | 15 | 0.12 | 4 | 0.03 |
| collagen type III alpha 1 (COL3A1) | 54 | 0.40 | 77 | 0.45 | 95 | 0.75 | 337 | 2.37 |
| collagen type IV alpha 2 (COL4A2) | 4 | 0.03 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| collagen type IV alpha 1 (COL4A1) | 1 | 0.01 | 0 | 0.00 | 2 | 0.02 | 0 | 0.00 |
| collagen type IX alpha 1 (COL9A1) | 74 | 0.55 | 4 | 0.02 | 0 | 0.00 | 0 | 0.00 |
| collagen type IX alpha 2 (COL9A2) | 21 | 0.16 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Collagen type IX alpha 3 (COL9A3) | 26 | 0.19 | 6 | 0.03 | 0 | 0.00 | 0 | 0.00 |
| collagen type V alpha 1 (COL5A1) | 3 | 0.02 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| collagen type V alpha 2 (COL5A2) | 4 | 0.03 | 1 | 0.01 | 2 | 0.02 | 8 | 0.06 |
| collagen type VI alpha 1 (COL6A1) | 3 | 0.02 | 2 | 0.01 | 1 | 0.01 | 3 | 0.02 |
| Collagen type VI alpha 2 (COL6A2) | 1 | 0.01 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| collagen type VI alpha 3 (COL6A3) | 5 | 0.04 | 4 | 0.02 | 5 | 0.04 | 22 | 0.15 |
| collagen type X alpha 1 (COL10A1) | 1 | 0.01 | 0 | 0.00 | 1 | 0.01 | 0 | 0.00 |
| collagen type XI alpha 1 (COL11A1) | 46 | 0.34 | 18 | 0.10 | 7 | 0.06 | 8 | 0.06 |
| collagen type XI alpha2 (COL11A2) | 34 | 0.25 | 4 | 0.02 | 0 | 0.00 | 0 | 0.00 |
| collagen type XII alpha 1 (COL12A1) | 10 | 0.07 | 0 | 0.00 | 2 | 0.02 | 3 | 0.02 |
| collagen type XIV (COL14) | 6 | 0.04 | 6 | 0.03 | 2 | 0.02 | 1 | 0.01 |
| collagen type XV alpha 1 (COL15A1) | 4 | 0.03 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| collagen type XVI collagen alpha 1 (COL16A1) | 10 | 0.07 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Total | 722 | 5.39 | 401 | 2.34 | 164 | 1.30 | 578 | 4.06 |



| Selected Genes | Fetal | % | Normal | % | Mild | % | Severe | % |
|---|-------|-------|--------|-------|------|-------|--------|-------|
| | | 13398 | | 17152 | | 12651 | | 14221 |
| decorin (chondroitin/dermatan sulfate proteoglycan PG40 =DCN) | 14 | 0.10 | 172 | 1.00 | 234 | 1.85 | 154 | 1.08 |
| alpha gene sequence (=heat shock protein 90) (=PRO2853)(=HSP90) | 11 | 0.08 | 581 | 3.27 | 580 | 4.58 | 408 | 2.87 |
| proteoglycan 4= megakaryocyte stimulating factor; MSF=SZP | 10 | 0.07 | 138 | 0.80 | 287 | 2.27 | 51 | 0.36 |
| beta-2-microglobulin (RefSeq aa 6e-66) | 6 | 0.04 | 88 | 0.51 | 200 | 1.58 | 196 | 1.38 |
| matrix Gla protein (MGP) | 6 | 0.04 | 140 | 0.82 | 97 | 0.77 | 80 | 0.56 |
| lumican (LUM) | 9 | 0.07 | 33 | 0.19 | 116 | 0.92 | 182 | 1.28 |
| thymosin beta-4 | 14 | 0.10 | 40 | 0.23 | 95 | 0.75 | 156 | 1.10 |
| osf-2 mRNA for osteoblast specific factor 2 (OSF-2p1) | 15 | 0.11 | 0 | 0.00 | 1 | 0.01 | 123 | 0.86 |
| chitinase (HUMTCHIT) | 0 | 0.00 | 1 | 0.01 | 0 | 0.00 | 25 | 0.18 |
| vimentin gene | 33 | 0.25 | 31 | 0.18 | 46 | 0.36 | 102 | 0.72 |
| Total | 118 | | 1204 | | 1656 | | 1477 | |

| Category | Fetal | | Normal | | Mild | | Severe | | Total |
|---------------------------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-------|
| | # of ESTs | | # of ESTs | | # of ESTs | | # of ESTs | | |
| Known/Named Genes | 5747 | 41.80% | 6755 | 39.20% | 5467 | 42.90% | 7298 | 51.10% | 25267 |
| Mitochondrial | 258 | 1.90% | 392 | 2.30% | 485 | 3.80% | 385 | 2.70% | 1520 |
| Ribosomal | 1930 | 14.10% | 1254 | 7.30% | 539 | 4.20% | 883 | 6.20% | 4606 |
| Repetitive Sequences | 586 | 4.30% | 1362 | 7.90% | 725 | 5.60% | 399 | 2.80% | 3072 |
| Vector | 107 | 0.80% | 5 | 0.00% | 1 | 0.00% | 1 | 0.00% | 114 |
| EST Match | 1855 | 13.40% | 1522 | 8.80% | 1976 | 15.40% | 2048 | 14.30% | 7401 |
| Genomic Sequence Match | 1948 | 13.80% | 3979 | 22.90% | 2442 | 18.70% | 1939 | 13.40% | 10308 |
| cDNA/Hypothetical Protein | 758 | 5.20% | 1750 | 10.20% | 868 | 6.80% | 1140 | 7.90% | 4516 |
| No Significant Match | 209 | 4.70% | 132 | 1.40% | 148 | 2.60% | 129 | 1.50% | 618 |
| | | | | | | | | | |
| | 13398 | | 17151 | | 12651 | | 14222 | | 57422 |

| Total ESTs from each library | | | 13398 | 17151 | 12651 | 14222 | 57422 | | | |
|--|---------------|-------|--------|-------|--------|-------|-------|-----|-------|------|
| Gene Name | Accession # | Fetal | Normal | Mild | Severe | Total | | | | |
| 1 alpha gene sequence (=HSP90) | AF203815.1 | 11 | 0.08% | 561 | 3.27% | 580 | 4.58% | 408 | 2.87% | 1560 |
| 2 mitochondrial genome (consensus sequence) | X62996 | 112 | 0.84% | 181 | 1.06% | 291 | 2.30% | 194 | 1.36% | 778 |
| 3 fibronectin (FN) | X02761.1 | 16 | 0.12% | 50 | 0.29% | 198 | 1.57% | 379 | 2.66% | 643 |
| 4 decorin (DCN) | NM_001920.1 | 14 | 0.10% | 172 | 1.00% | 234 | 1.85% | 154 | 1.08% | 574 |
| 5 collagen type III alpha 1 (COL3A1) | X06700 | 54 | 0.40% | 77 | 0.45% | 95 | 0.75% | 337 | 2.37% | 563 |
| 6 beta-2 microglobulin gene (B2M) | gb AF072097.1 | 6 | 0.04% | 88 | 0.51% | 200 | 1.58% | 196 | 1.38% | 490 |
| 7 proteoglycan 4 (=megakaryocyte stimulating factor) | AAB09089.1 | 10 | 0.07% | 138 | 0.80% | 287 | 2.27% | 51 | 0.36% | 486 |
| 8 collagen type I alpha 2 (COL1A2) | NM_000089.1 | 153 | 1.14% | 88 | 0.51% | 32 | 0.25% | 176 | 1.24% | 449 |
| 9 mitochondrion, complete genome (=AF382012.1) | NC_001807.2 | 96 | 0.72% | 141 | 0.82% | 114 | 0.90% | 92 | 0.65% | 443 |
| 10 collagen type II alpha 1 (COL2A1) | J00116.1 | 172 | 1.28% | 169 | 0.99% | 15 | 0.12% | 4 | 0.03% | 360 |
| 11 ribosomal DNA complete repeating unit | U13369.1 | 11 | 0.08% | 303 | 1.77% | 28 | 0.22% | 15 | 0.11% | 357 |
| 12 elongation factor 1 alpha 1 (EEF1A1) | NM_001402.1 | 150 | 1.12% | 66 | 0.38% | 36 | 0.28% | 89 | 0.63% | 341 |
| 13 lumican (LUM) | NM_002345.1 | 9 | 0.07% | 33 | 0.19% | 116 | 0.92% | 182 | 1.28% | 340 |
| 14 matrix Gla protein (MGP) | X53331 | 6 | 0.04% | 140 | 0.82% | 97 | 0.77% | 80 | 0.56% | 323 |
| 15 thymosin beta-4 (TMSB4X) | M17733 | 14 | 0.10% | 40 | 0.23% | 95 | 0.75% | 156 | 1.10% | 305 |
| 16 osteonectin gene (SPARC) secreted protein, acid | M25746.1 | 42 | 0.31% | 149 | 0.87% | 15 | 0.12% | 42 | 0.30% | 248 |
| 17 ribosomal protein S27 (=metallopainstimulin 1 M) | NM_001030.1 | 36 | 0.27% | 105 | 0.61% | 36 | 0.28% | 70 | 0.49% | 247 |
| 18 vimentin gene (VIM) | Z19554 | 33 | 0.25% | 31 | 0.18% | 46 | 0.36% | 102 | 0.72% | 212 |
| 19 ribosomal protein L7 | X52967 | 45 | 0.34% | 44 | 0.26% | 63 | 0.50% | 54 | 0.38% | 206 |
| 20 scrapie responsive protein 1 (SCRG1) | NM_007281.1 | 3 | 0.02% | 59 | 0.34% | 56 | 0.44% | 50 | 0.35% | 168 |
| 21 connective tissue growth factor (CTGF) | U14750 | 6 | 0.04% | 78 | 0.45% | 44 | 0.35% | 31 | 0.22% | 159 |
| 22 tumor protein translationally-controlled 1 (TPT1) | NM_003295.1 | 45 | 0.34% | 50 | 0.29% | 26 | 0.21% | 37 | 0.26% | 158 |
| 23 putative p150 | AAC51271.1 | 4 | 0.03% | 99 | 0.58% | 20 | 0.16% | 22 | 0.15% | 145 |
| 24 osteoblast specific factor 2 (OSF-2os) | D13666.1 | 15 | 0.11% | 0 | 0.00% | 1 | 0.01% | 123 | 0.86% | 139 |
| 25 collagen type I alpha 1 (COL1A1) | X06269 | 90 | 0.67% | 22 | 0.13% | 0 | 0.00% | 16 | 0.11% | 128 |
| 26 Ribosomal protein S20 (RPS20) | NM_001023.1 | 42 | 0.31% | 17 | 0.10% | 23 | 0.18% | 42 | 0.30% | 124 |
| 27 ribosomal protein L9 | U09953 | 47 | 0.35% | 30 | 0.17% | 12 | 0.09% | 30 | 0.21% | 119 |
| 28 ribosomal protein L34 (RPL34) | NM_000995.1 | 23 | 0.17% | 27 | 0.16% | 22 | 0.17% | 36 | 0.25% | 108 |
| 29 calmodulin 1 (phosphorylase kinase, delta) (CAL) | NM_006888.1 | 7 | 0.05% | 23 | 0.13% | 31 | 0.25% | 46 | 0.32% | 107 |
| 30 ribosomal RNA 18S | X03205 | 12 | 0.09% | 47 | 0.27% | 24 | 0.19% | 20 | 0.14% | 103 |
| 31 ribosomal protein L41 | AF026844.1 | 22 | 0.16% | 47 | 0.27% | 14 | 0.11% | 20 | 0.14% | 103 |
| 32 serine protease=HTRA serine protease (PRSS1) | Y07921 | 5 | 0.04% | 7 | 0.04% | 32 | 0.25% | 57 | 0.40% | 101 |
| 33 ribosomal protein S3a | M77234 | 22 | 0.16% | 31 | 0.18% | 18 | 0.14% | 28 | 0.20% | 99 |
| 34 ribosomal protein, large, P0 (RPLP0) | NM_001002.1 | 56 | 0.42% | 23 | 0.13% | 6 | 0.05% | 11 | 0.08% | 96 |
| 35 metallothionein 1L (MT1L) | NM_002450.1 | 2 | 0.01% | 85 | 0.50% | 5 | 0.04% | 1 | 0.01% | 93 |
| 36 ribosomal protein S8 (RPS8) | NM_001012.1 | 42 | 0.31% | 35 | 0.20% | 3 | 0.02% | 12 | 0.08% | 92 |
| 37 ribosomal protein S6 | M20020 | 27 | 0.20% | 35 | 0.20% | 13 | 0.10% | 17 | 0.12% | 92 |
| 38 ribosomal protein L21 | U14967.1 | 17 | 0.13% | 34 | 0.20% | 14 | 0.11% | 26 | 0.18% | 91 |
| 39 transmembrane protein BRI | AF246221.1 | 4 | 0.03% | 16 | 0.09% | 37 | 0.29% | 33 | 0.23% | 90 |
| 40 ribosomal protein L13a (RPL13A) | NM_012423.1 | 64 | 0.48% | 17 | 0.10% | 4 | 0.03% | 4 | 0.03% | 89 |
| 41 ribosomal protein L37a | L22154 | 56 | 0.42% | 12 | 0.07% | 8 | 0.06% | 11 | 0.08% | 87 |
| 42 ribosomal protein S11 (RPS11) | NM_001015.1 | 38 | 0.28% | 19 | 0.11% | 11 | 0.09% | 19 | 0.13% | 87 |
| 43 cytochrome c oxidase subunit VIc (COX6C) | NM_004374.1 | 3 | 0.02% | 16 | 0.09% | 22 | 0.17% | 44 | 0.31% | 85 |
| 44 RIBOSOMAL PROTEIN L10 (QM PROTEIN) (T) | spP27635 | 53 | 0.40% | 13 | 0.08% | 6 | 0.05% | 13 | 0.09% | 85 |
| 45 ribosomal protein L31 | NM_000993.1 | 15 | 0.11% | 31 | 0.18% | 13 | 0.10% | 25 | 0.18% | 84 |
| 46 annexin A2 (ANXA2)(lipocortin II) | NM_004039.1 | 14 | 0.10% | 28 | 0.16% | 7 | 0.06% | 34 | 0.24% | 83 |
| 47 translationally controlled tumor protein (TCTP) | X16064 | 23 | 0.17% | 14 | 0.08% | 17 | 0.13% | 28 | 0.20% | 82 |
| 48 RIBOSOMAL PROTEIN L17 | spP18621 | 31 | 0.23% | 12 | 0.07% | 10 | 0.08% | 27 | 0.19% | 80 |
| 49 ribosomal protein S25 (RPS25) | NM_001028.1 | 17 | 0.13% | 13 | 0.08% | 17 | 0.13% | 32 | 0.23% | 79 |
| 50 collagen type XI alpha 1 (COL11A1) | NM_001854.1 | 46 | 0.34% | 18 | 0.10% | 7 | 0.06% | 8 | 0.06% | 79 |
| 51 fibromodulin (FMOD) | NM_002023.2 | 8 | 0.06% | 41 | 0.24% | 19 | 0.15% | 11 | 0.08% | 79 |
| 52 collagen type IX alpha 1 (COL9A1)(ORF) | NM_001851.1 | 74 | 0.55% | 4 | 0.02% | 0 | 0.00% | 0 | 0.00% | 78 |
| 53 thioredoxin (TXN) | J04026 | 4 | 0.03% | 13 | 0.08% | 22 | 0.17% | 36 | 0.25% | 75 |
| 54 ribosomal protein L37 | L11567 | 34 | 0.25% | 19 | 0.11% | 6 | 0.05% | 16 | 0.11% | 75 |
| 55 ribosomal protein S4, X-linked (RPS4X) | NM_001007.1 | 33 | 0.25% | 18 | 0.10% | 12 | 0.09% | 8 | 0.06% | 71 |

| | | | | | | | | | | |
|---|-------------|----|-------|----|-------|----|-------|----|-------|----|
| 56 NADH dehydrogenase (ubiquinone) 1 alpha subunit | NM_002489.1 | 5 | 0.04% | 4 | 0.02% | 14 | 0.11% | 46 | 0.32% | 69 |
| 57 ribosomal protein L3 (RPL3) | NM_000967.1 | 42 | 0.31% | 10 | 0.06% | 7 | 0.06% | 10 | 0.07% | 69 |
| 58 LINE-1 REVERSE TRANSCRIPTASE HOMOLOG | spP08547 | 1 | 0.01% | 46 | 0.27% | 14 | 0.11% | 7 | 0.05% | 68 |
| 59 ribosomal protein L6 | X69391 | 24 | 0.18% | 17 | 0.10% | 11 | 0.09% | 14 | 0.10% | 66 |
| 60 ribosomal protein L32 (RPL32) | NM_000994.1 | 38 | 0.28% | 16 | 0.09% | 6 | 0.05% | 6 | 0.04% | 66 |
| 61 ribosomal protein L27 (RPL27) | NM_000988.1 | 27 | 0.20% | 12 | 0.07% | 7 | 0.06% | 19 | 0.13% | 65 |
| 62 reverse transcriptase | D84391 | 1 | 0.01% | 45 | 0.26% | 12 | 0.09% | 6 | 0.04% | 64 |
| 63 asporin (ASPN) (LRR class 1) | NM_017680.1 | 0 | 0.00% | 4 | 0.02% | 24 | 0.19% | 35 | 0.25% | 63 |
| 64 ribosomal protein L13 | AF112214 | 33 | 0.25% | 10 | 0.06% | 6 | 0.05% | 12 | 0.08% | 61 |
| 65 Ribosomal protein L4 | NM_000968.1 | 18 | 0.13% | 27 | 0.16% | 4 | 0.03% | 12 | 0.08% | 61 |
| 66 ribosomal protein S29 | L31610.1 | 18 | 0.13% | 16 | 0.09% | 8 | 0.06% | 17 | 0.12% | 59 |
| 67 ribosomal protein L7a (surf 3) large subunit | M36072 | 25 | 0.19% | 15 | 0.09% | 8 | 0.06% | 10 | 0.07% | 58 |
| 68 transforming growth factor beta-induced, 68kD | NM_000358.1 | 3 | 0.02% | 5 | 0.03% | 3 | 0.02% | 47 | 0.33% | 58 |
| 69 ribosomal protein L30 | L05095.1 | 24 | 0.18% | 14 | 0.08% | 6 | 0.05% | 13 | 0.09% | 57 |
| 70 ribosomal protein S12 | X53505 | 35 | 0.26% | 13 | 0.08% | 3 | 0.02% | 6 | 0.04% | 57 |
| 71 ribosomal protein L23 | NM_000978.1 | 18 | 0.13% | 27 | 0.16% | 1 | 0.01% | 9 | 0.06% | 55 |
| 72 ribosomal protein S13 | NM_001017.1 | 17 | 0.13% | 9 | 0.05% | 8 | 0.06% | 21 | 0.15% | 55 |
| 73 hexabrachion (tenascin C, cytactin) (HXB) | NM_002160.1 | 4 | 0.03% | 7 | 0.04% | 7 | 0.06% | 37 | 0.26% | 55 |
| 74 ribosomal protein S24 | M31520 | 23 | 0.17% | 8 | 0.05% | 10 | 0.08% | 13 | 0.09% | 54 |
| 75 cartilage link protein (CRTL1) | U43328.1 | 20 | 0.15% | 2 | 0.01% | 31 | 0.25% | 1 | 0.01% | 54 |
| 76 actin, beta (ACTB) | NM_001101.2 | 21 | 0.16% | 25 | 0.15% | 4 | 0.03% | 3 | 0.02% | 53 |
| 77 Ribosomal protein L36 (=RPL44) | AF077043.1 | 20 | 0.15% | 11 | 0.06% | 10 | 0.08% | 12 | 0.08% | 53 |
| 78 ribosomal protein S17 | M13932 | 28 | 0.21% | 12 | 0.07% | 5 | 0.04% | 7 | 0.05% | 52 |
| 79 cytokine-like protein C17 | NM_018659.1 | 0 | 0.00% | 42 | 0.24% | 9 | 0.07% | 0 | 0.00% | 51 |
| 80 PRO2003 | AF116679.1 | 14 | 0.10% | 24 | 0.14% | 2 | 0.02% | 11 | 0.08% | 51 |
| 81 prothymosin alpha | M14630 | 18 | 0.13% | 9 | 0.05% | 9 | 0.07% | 15 | 0.11% | 51 |
| 82 tumor rejection antigen (gp96) 1 (TRA1) | X15187 | 10 | 0.07% | 7 | 0.04% | 19 | 0.15% | 15 | 0.11% | 51 |
| 83 actin, gamma 1 (ACTG1) | NM_001614.1 | 31 | 0.23% | 10 | 0.06% | 3 | 0.02% | 7 | 0.05% | 51 |
| 84 ferritin heavy chain | L20941.1 | 4 | 0.03% | 6 | 0.03% | 7 | 0.06% | 33 | 0.23% | 50 |
| 85 PRO2853 | AF119905.1 | 0 | 0.00% | 35 | 0.20% | 10 | 0.08% | 5 | 0.04% | 50 |
| 86 ribosomal protein L5 | U76609 | 23 | 0.17% | 8 | 0.05% | 10 | 0.08% | 7 | 0.05% | 48 |
| 87 ribosomal protein L26 | X69392 | 18 | 0.13% | 6 | 0.03% | 11 | 0.09% | 13 | 0.09% | 48 |
| 88 ribosomal protein, large, P1 (RPLP1) | NM_001003.1 | 40 | 0.30% | 1 | 0.01% | 3 | 0.02% | 4 | 0.03% | 48 |
| 89 ribosomal protein L11 | L05092.1 | 25 | 0.19% | 0 | 0.00% | 16 | 0.13% | 7 | 0.05% | 48 |
| 90 guanine nucleotide binding protein (G protein), b | NM_006098.1 | 21 | 0.16% | 20 | 0.12% | 4 | 0.03% | 3 | 0.02% | 48 |
| 91 vitamin A responsive cytoskeleton related (JWA) | NM_006407.2 | 0 | 0.00% | 11 | 0.06% | 18 | 0.14% | 18 | 0.13% | 47 |
| 92 HSPC312 (ORF) = AF161428.1 (=HSPC310) | AF161430 | 0 | 0.00% | 29 | 0.17% | 10 | 0.08% | 8 | 0.06% | 47 |
| 93 H factor 1 (complement) (HF1) | NM_000186.1 | 1 | 0.01% | 19 | 0.11% | 17 | 0.13% | 10 | 0.07% | 47 |
| 94 mimecan (OGN) (OIF) | AF202167.1 | 1 | 0.01% | 1 | 0.01% | 19 | 0.15% | 24 | 0.17% | 45 |
| 95 S100 calcium-binding protein A4 (calcium protein gi) | 4506764 | 1 | 0.01% | 18 | 0.10% | 11 | 0.09% | 14 | 0.10% | 44 |
| 96 annexin I (lipocortin I) (ANX1) =X05908 (ORF) | NM_000700.1 | 0 | 0.00% | 9 | 0.05% | 11 | 0.09% | 24 | 0.17% | 44 |
| 97 glyceraldehyde 3-phosphate dehydrogenase (G) | J02642 | 41 | 0.31% | 2 | 0.01% | 1 | 0.01% | 0 | 0.00% | 44 |
| 98 ribosomal protein L27A | AB020236.1 | 34 | 0.25% | 7 | 0.04% | 1 | 0.01% | 2 | 0.01% | 44 |
| 99 HSPC310 (=HSPC312) | AF161428.1 | 0 | 0.00% | 29 | 0.17% | 8 | 0.06% | 7 | 0.05% | 44 |
| 100 calmodulin 2 (phosphorylase kinase, delta) (CAI) | NM_001743.1 | 0 | 0.00% | 7 | 0.04% | 25 | 0.20% | 11 | 0.08% | 43 |
| 101 ribosomal protein L39 | D79205 | 15 | 0.11% | 11 | 0.06% | 4 | 0.03% | 13 | 0.09% | 43 |
| 102 nascent-polypeptide-associated complex alpha | NM_005594.1 | 6 | 0.04% | 6 | 0.03% | 13 | 0.10% | 18 | 0.13% | 43 |
| 103 ribosomal protein L44 (RPL44) | NM_001001.1 | 14 | 0.10% | 5 | 0.03% | 10 | 0.08% | 13 | 0.09% | 42 |
| 104 ubiquitin A-52 residue ribosomal protein fusion p | gi4507760 | 7 | 0.05% | 32 | 0.19% | 1 | 0.01% | 2 | 0.01% | 42 |
| 105 cartilage matrix protein (CMP) gene | M55682.1 | 42 | 0.31% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 42 |
| 106 TSC-22 protein | U35048 | 8 | 0.06% | 14 | 0.08% | 12 | 0.09% | 8 | 0.06% | 42 |
| 107 mitochondrial genes for several tRNAs (Phe, Val) | V00710.1 | 0 | 0.00% | 41 | 0.24% | 1 | 0.01% | 0 | 0.00% | 42 |
| 108 ribosomal protein S19 | M81757.1 | 39 | 0.29% | 0 | 0.00% | 0 | 0.00% | 2 | 0.01% | 41 |
| 109 ribosomal protein S28, yeast homologue | D14530 | 38 | 0.28% | 1 | 0.01% | 0 | 0.00% | 2 | 0.01% | 41 |
| 110 deleted in split hand/split foot 1 (DSS1) | U41515 | 0 | 0.00% | 8 | 0.05% | 11 | 0.09% | 22 | 0.15% | 41 |
| 111 ribosomal protein L35a | NM_000996.1 | 14 | 0.10% | 10 | 0.06% | 3 | 0.02% | 14 | 0.10% | 41 |
| 112 cytochrome c oxidase subunit VIIb | Z14244 | 4 | 0.03% | 5 | 0.03% | 12 | 0.09% | 20 | 0.14% | 41 |
| 113 hH3.3B gene for histone H3.3 | Z48950.1 | 10 | 0.07% | 12 | 0.07% | 6 | 0.05% | 13 | 0.09% | 41 |

| | | | | | | | | | | |
|-----|---|----|-------|----|-------|----|-------|----|-------|----|
| 114 | RIBOSOMAL PROTEIN L10A (CSA-19)(RPL10/P53025 | 18 | 0.13% | 10 | 0.06% | 7 | 0.06% | 5 | 0.04% | 40 |
| 115 | ribosomal protein S15a X84407 | 23 | 0.17% | 9 | 0.05% | 2 | 0.02% | 6 | 0.04% | 40 |
| 116 | ribosomal protein L15 NM_002948.1 | 26 | 0.19% | 6 | 0.03% | 4 | 0.03% | 4 | 0.03% | 40 |
| 117 | eukaryotic translation initiation factor 3 (EIF3S6) NM_001568.1 | 13 | 0.10% | 10 | 0.06% | 8 | 0.06% | 9 | 0.06% | 40 |
| 118 | ribosomal protein L23a U43701 | 11 | 0.08% | 2 | 0.01% | 13 | 0.10% | 12 | 0.08% | 38 |
| 119 | KIAA0005 D13630 | 0 | 0.00% | 6 | 0.03% | 19 | 0.15% | 13 | 0.09% | 38 |
| 120 | collagen type XI alpha2 (COL11A2) U41068.1 | 34 | 0.25% | 4 | 0.02% | 0 | 0.00% | 0 | 0.00% | 38 |
| 121 | transcription elongation factor B (SIII), polypeptide NM_003197.2 | 1 | 0.01% | 20 | 0.12% | 7 | 0.05% | 10 | 0.07% | 38 |
| 122 | lysosome-associated protein, transmembrane - 4 U34259.1 | 6 | 0.04% | 7 | 0.04% | 10 | 0.08% | 15 | 0.11% | 38 |
| 123 | SUI1 isolog AF083441.1 | 8 | 0.06% | 20 | 0.12% | 6 | 0.05% | 4 | 0.03% | 38 |
| 124 | small nuclear ribonucleoprotein polypeptide G (S X85373 | 1 | 0.01% | 0 | 0.00% | 7 | 0.06% | 29 | 0.20% | 37 |
| 125 | 1-phosphatidylinositol-4-phosphate 5-kinase S78798.1 | 37 | 0.28% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 37 |
| 126 | ribosomal protein L38 Z26876 | 8 | 0.06% | 8 | 0.05% | 7 | 0.06% | 14 | 0.10% | 37 |
| 127 | cartilage intermediate layer protein, CILP AB022430.1 | 1 | 0.01% | 5 | 0.03% | 17 | 0.13% | 14 | 0.10% | 37 |
| 128 | collagen type VI alpha 3 (COL6A3) NM_004369.1 | 5 | 0.04% | 4 | 0.02% | 5 | 0.04% | 22 | 0.15% | 36 |
| 129 | ribosomal protein S18 X69150.1 | 33 | 0.25% | 1 | 0.01% | 1 | 0.01% | 1 | 0.01% | 36 |
| 130 | F1-ATPase epsilon-subunit (ATP5E) AF052955.1 | 3 | 0.02% | 8 | 0.05% | 7 | 0.06% | 15 | 0.11% | 33 |
| 131 | NADH dehydrogenase X81900 | 2 | 0.01% | 20 | 0.12% | 3 | 0.02% | 8 | 0.06% | 33 |
| 132 | ribosomal protein L12 L06505 | 12 | 0.09% | 8 | 0.05% | 3 | 0.02% | 10 | 0.07% | 33 |
| 133 | ribosomal protein S5 (RPS5) NM_001009.1 | 29 | 0.22% | 2 | 0.01% | 1 | 0.01% | 1 | 0.01% | 33 |
| 134 | cytoskeletal gamma-actin X04098 | 19 | 0.14% | 9 | 0.05% | 3 | 0.02% | 2 | 0.01% | 33 |
| 135 | androgen receptor associated protein 24 (ARA2) AF052578 | 8 | 0.06% | 1 | 0.01% | 7 | 0.06% | 17 | 0.12% | 33 |
| 136 | collagen type IX alpha 3 (COL9A3) AF026802.1 | 26 | 0.19% | 6 | 0.03% | 0 | 0.00% | 0 | 0.00% | 32 |
| 137 | cytochrome c oxidase, liver specific (EC 1.9.3.1. X15822 | 4 | 0.03% | 3 | 0.02% | 10 | 0.08% | 15 | 0.11% | 32 |
| 138 | tubulin beta AF070561 | 19 | 0.14% | 5 | 0.03% | 6 | 0.05% | 2 | 0.01% | 32 |
| 139 | myosin regulatory light chain X54304 | 6 | 0.04% | 5 | 0.03% | 4 | 0.03% | 16 | 0.11% | 31 |
| 140 | ribosomal protein L19 X63527 | 16 | 0.12% | 3 | 0.02% | 3 | 0.02% | 9 | 0.06% | 31 |
| 141 | ribosomal protein S3 (RPS3) NM_001005.1 | 21 | 0.16% | 2 | 0.01% | 5 | 0.04% | 3 | 0.02% | 31 |
| 142 | clusterin (CLU) SP40,40 (=M63379 TRPM-2 protein) NM_001831.1 | 1 | 0.01% | 14 | 0.08% | 7 | 0.06% | 9 | 0.06% | 31 |
| 143 | ribosomal protein L18 (RPL18) NM_000979.1 | 28 | 0.21% | 1 | 0.01% | 0 | 0.00% | 2 | 0.01% | 31 |
| 144 | nephropontin (=X13694.1 osteopontin) M83248.1 | 0 | 0.00% | 9 | 0.05% | 0 | 0.00% | 22 | 0.15% | 31 |
| 145 | ribonuclease, RNase A family, 1(pancreatic) (Re NP_002924.1 | 1 | 0.01% | 28 | 0.16% | 0 | 0.00% | 2 | 0.01% | 31 |
| 146 | Tubulin alpha isoform 1 AF081484 | 16 | 0.12% | 3 | 0.02% | 2 | 0.02% | 9 | 0.06% | 30 |
| 147 | ribosomal protein S23 (RPS23) =D14530 (ORF) NM_001025.1 | 8 | 0.06% | 13 | 0.08% | 3 | 0.02% | 6 | 0.04% | 30 |
| 148 | T-cell cyclophilin Y00052 | 18 | 0.13% | 4 | 0.02% | 2 | 0.02% | 6 | 0.04% | 30 |
| 149 | ribosomal protein L22 (RPL22) NM_000983.1 | 6 | 0.04% | 14 | 0.08% | 3 | 0.02% | 7 | 0.05% | 30 |
| 150 | ribosomal protein L35 U12465 | 27 | 0.20% | 2 | 0.01% | 0 | 0.00% | 1 | 0.01% | 30 |
| 151 | ribonuclease, RNase A NM_002937.1 | 1 | 0.01% | 27 | 0.16% | 0 | 0.00% | 2 | 0.01% | 30 |
| 152 | collagen lysyl hydroxylase isoform 2 (PLOD2) U84573 | 2 | 0.01% | 7 | 0.04% | 8 | 0.06% | 13 | 0.09% | 30 |
| 153 | heterogeneous nuclear ribonucleoprotein A1 (HNR) NM_002136.1 | 14 | 0.10% | 8 | 0.05% | 3 | 0.02% | 4 | 0.03% | 29 |
| 154 | ATP synthase, H transporting, mitochondrial F0-F1 NP_009031.1 | 0 | 0.00% | 16 | 0.09% | 4 | 0.03% | 9 | 0.06% | 29 |
| 155 | eukaryotic translation initiation factor 4 gamma, : NM_001418.1 | 3 | 0.02% | 5 | 0.03% | 4 | 0.03% | 17 | 0.12% | 29 |
| 156 | integrin-binding sialoprotein (bone sialoprotein, t NM_004967.1 | 0 | 0.00% | 29 | 0.17% | 0 | 0.00% | 0 | 0.00% | 29 |
| 157 | mitochondrial ATPase coupling factor 6 subunit (M37104 | 0 | 0.00% | 1 | 0.01% | 6 | 0.05% | 22 | 0.15% | 29 |
| 158 | heparan sulfate proteoglycan (HSPG) (OC15) J04621.1 | 9 | 0.07% | 4 | 0.02% | 4 | 0.03% | 12 | 0.08% | 29 |
| 159 | ribosomal protein S21 (RPS21) L04483 | 21 | 0.16% | 3 | 0.02% | 1 | 0.01% | 4 | 0.03% | 29 |
| 160 | nucleolar phosphoprotein B23 (NPM1) M28699 | 4 | 0.03% | 14 | 0.08% | 4 | 0.03% | 7 | 0.05% | 29 |
| 161 | cartilage-derived C-type lectin (CLECSF1) AF077345 | 0 | 0.00% | 18 | 0.10% | 4 | 0.03% | 7 | 0.05% | 29 |
| 162 | ribosomal protein L8 Z28407 | 24 | 0.18% | 0 | 0.00% | 3 | 0.02% | 1 | 0.01% | 28 |
| 163 | spermidine/spermine N1-acetyltransferase Z14136 | 1 | 0.01% | 7 | 0.04% | 10 | 0.08% | 10 | 0.07% | 28 |
| 164 | Sec61 gamma AF054184 | 3 | 0.02% | 5 | 0.03% | 3 | 0.02% | 17 | 0.12% | 28 |
| 165 | MEN1 region clone epsilon/beta AF001893.1 | 0 | 0.00% | 16 | 0.09% | 8 | 0.06% | 4 | 0.03% | 28 |
| 166 | polyubiquitin E12605 | 13 | 0.10% | 8 | 0.05% | 2 | 0.02% | 5 | 0.04% | 28 |
| 167 | ribosomal protein S7 M77233 | 8 | 0.06% | 7 | 0.04% | 2 | 0.02% | 11 | 0.08% | 28 |
| 168 | caveolin 1 (CAV1) AF125348.1 | 0 | 0.00% | 6 | 0.03% | 11 | 0.09% | 11 | 0.08% | 28 |
| 169 | ribosomal protein L18a L05093.1 | 27 | 0.20% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 28 |
| 170 | HSPC036 protein (=AF077200.1 HSPC014) AF125097.1 | 2 | 0.01% | 0 | 0.00% | 8 | 0.06% | 18 | 0.13% | 28 |
| 171 | lectin, galactoside-binding, soluble, 1 (galectin 1) NM_002305.2 | 22 | 0.16% | 4 | 0.02% | 2 | 0.02% | 0 | 0.00% | 28 |

| | | | | | | | | | | | |
|-----|---|-------------|----|-------|----|-------|----|-------|----|-------|----|
| 172 | hemoglobin, gamma G (HBG2) (=PRO2898) | NM_000184.1 | 27 | 0.20% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 27 |
| 173 | ribosomal protein L24 (RPL24) (=ribosomal prot | NM_000986.1 | 8 | 0.06% | 12 | 0.07% | 1 | 0.01% | 6 | 0.04% | 27 |
| 174 | high mobility group-1 protein (HMG-1) | X12597 | 4 | 0.03% | 1 | 0.01% | 12 | 0.09% | 10 | 0.07% | 27 |
| 175 | integrin beta 1 subunit | X07979.1 | 1 | 0.01% | 4 | 0.02% | 6 | 0.05% | 16 | 0.11% | 27 |
| 176 | hemoglobin, gamma A (HBG1) | NM_000559.1 | 27 | 0.20% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 27 |
| 177 | ribosomal protein S9 | U14971 | 27 | 0.20% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 27 |
| 178 | lysosomal membrane glycoprotein CD63 (=M59 | M58485 | 7 | 0.05% | 12 | 0.07% | 3 | 0.02% | 4 | 0.03% | 26 |
| 179 | RIBOSOMAL PROTEIN S2 (S4) (LLREP3 PRO | spP15880 | 24 | 0.18% | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 26 |
| 180 | matrilin-3 (MATR3) | Y13341 | 7 | 0.05% | 7 | 0.04% | 3 | 0.02% | 9 | 0.06% | 26 |
| 181 | chitinase (HUMTCHIT) | U58515 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 25 | 0.18% | 26 |
| 182 | CGI-134 protein (LOC51023) | NM_016067.1 | 0 | 0.00% | 4 | 0.02% | 4 | 0.03% | 18 | 0.13% | 26 |
| 183 | ribosomal protein S10 | NM_001014.1 | 22 | 0.16% | 1 | 0.01% | 0 | 0.00% | 3 | 0.02% | 26 |
| 184 | tissue inhibitor of metalloproteinase 3 (Sorsby fu | NM_000362.1 | 2 | 0.01% | 3 | 0.02% | 15 | 0.12% | 6 | 0.04% | 26 |
| 185 | H19 (=PRO2605) | M32053 | 25 | 0.19% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 26 |
| 186 | histone H3.3 | Z48950 | 3 | 0.02% | 12 | 0.07% | 4 | 0.03% | 7 | 0.05% | 26 |
| 187 | ferritin L chain | M11147 | 9 | 0.07% | 12 | 0.07% | 1 | 0.01% | 3 | 0.02% | 25 |
| 188 | signal recognition particle 14kD (homologous Ali | NM_003134.1 | 3 | 0.02% | 15 | 0.09% | 6 | 0.05% | 1 | 0.01% | 25 |
| 189 | fatty acid binding protein (adipocyte lipid-binding | NM_001442.1 | 4 | 0.03% | 2 | 0.01% | 18 | 0.14% | 1 | 0.01% | 25 |
| 190 | ribosomal protein, large P2 (RPLP2) | NM_001004.1 | 14 | 0.10% | 7 | 0.04% | 2 | 0.02% | 2 | 0.01% | 25 |
| 191 | CD63 antigen (melanoma 1 antigen) (CD63) | NM_001780.1 | 7 | 0.05% | 12 | 0.07% | 4 | 0.03% | 2 | 0.01% | 25 |
| 192 | defender against cell death 1 (DAD1) | NM_001344.1 | 3 | 0.02% | 9 | 0.05% | 5 | 0.04% | 8 | 0.06% | 25 |
| 193 | cytochrome b (ORF) | U09500 | 5 | 0.04% | 8 | 0.05% | 5 | 0.04% | 7 | 0.05% | 25 |
| 194 | metallothionein-II (mt-II) | J00271 | 0 | 0.00% | 23 | 0.13% | 1 | 0.01% | 1 | 0.01% | 25 |
| 195 | RNA polymerase II elongation factor-like protein | Z47087 | 8 | 0.06% | 2 | 0.01% | 5 | 0.04% | 10 | 0.07% | 25 |
| 196 | insulin-like growth factor II (IGF-2) | X07868 | 24 | 0.18% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 24 |
| 197 | CD9 antigen (p24/CD9) | L08125 | 3 | 0.02% | 2 | 0.01% | 10 | 0.08% | 9 | 0.06% | 24 |
| 198 | lactate dehydrogenase A (LDHA) | NM_005566.1 | 4 | 0.03% | 4 | 0.02% | 5 | 0.04% | 11 | 0.08% | 24 |
| 199 | poly(A)-binding protein (PABP) | U68105 | 6 | 0.04% | 8 | 0.05% | 1 | 0.01% | 9 | 0.06% | 24 |
| 200 | mitochondrial ubiquinone-binding protein | M26700 | 4 | 0.03% | 3 | 0.02% | 10 | 0.08% | 7 | 0.05% | 24 |
| 201 | ATP synthase, H transporting, mitochondrial F0 | Hs.107476 | 4 | 0.03% | 9 | 0.05% | 4 | 0.03% | 7 | 0.05% | 24 |
| 202 | MORF-related gene X (KIAA0026) (=MRG15) | NM_012286.1 | 2 | 0.01% | 11 | 0.06% | 4 | 0.03% | 7 | 0.05% | 24 |
| 203 | brain-expressed HHCPA78 homologue (VDUP1 | S73591 | 2 | 0.01% | 17 | 0.10% | 0 | 0.00% | 5 | 0.04% | 24 |
| 204 | PRO1574 (mitochondrial proteolipid 68MP homc | AF116639.1 | 2 | 0.01% | 11 | 0.06% | 5 | 0.04% | 6 | 0.04% | 24 |
| 205 | heat shock 10kD protein 1 (chaperonin 10) (HSF | NM_002157.1 | 1 | 0.01% | 13 | 0.08% | 5 | 0.04% | 4 | 0.03% | 23 |
| 206 | complement factor H (=M17517) | Y00716 | 2 | 0.01% | 2 | 0.01% | 15 | 0.12% | 4 | 0.03% | 23 |
| 207 | osteomodulin (OMD) | AB000114 | 0 | 0.00% | 6 | 0.03% | 6 | 0.05% | 11 | 0.08% | 23 |
| 208 | epithelial membrane protein 1 (EMP1) | NM_001423.1 | 1 | 0.01% | 7 | 0.04% | 6 | 0.05% | 9 | 0.06% | 23 |
| 209 | Tigger1 transposable element | U49973.1 | 5 | 0.04% | 8 | 0.05% | 7 | 0.06% | 3 | 0.02% | 23 |
| 210 | cysteine dioxygenase | D85777 | 0 | 0.00% | 1 | 0.01% | 10 | 0.08% | 12 | 0.08% | 23 |
| 211 | dynein light chain 1 (hdc1), cytoplasmic | U32944 | 5 | 0.04% | 3 | 0.02% | 4 | 0.03% | 11 | 0.08% | 23 |
| 212 | calcyclin (=M14300 growth factor-inducible 2A9 | J02763 | 10 | 0.07% | 1 | 0.01% | 4 | 0.03% | 8 | 0.06% | 23 |
| 213 | ATP synthase, H transporting, mitochondrial F1 | NM_006476.1 | 7 | 0.05% | 1 | 0.01% | 7 | 0.06% | 7 | 0.05% | 22 |
| 214 | ribosomal protein L29 (RPL29) | NM_000992.1 | 21 | 0.16% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 22 |
| 215 | FK506 binding protein (Fkbp63) | AF090334 | 8 | 0.06% | 6 | 0.03% | 2 | 0.02% | 6 | 0.04% | 22 |
| 216 | COX17 (yeast) homolog, cytochrome c oxidase | NM_005694.1 | 0 | 0.00% | 5 | 0.03% | 8 | 0.06% | 9 | 0.06% | 22 |
| 217 | ribosomal protein S14 (RPS14) | NM_005617.1 | 21 | 0.16% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 22 |
| 218 | ribosomal protein S16 | M60854 | 14 | 0.10% | 2 | 0.01% | 1 | 0.01% | 5 | 0.04% | 22 |
| 219 | solute carrier family 25 (mitochondrial carrier; ph | NM_005888.1 | 6 | 0.04% | 4 | 0.02% | 4 | 0.03% | 8 | 0.06% | 22 |
| 220 | aggreca (chondroitin sulfate proteoglycan 1, lar | U13613 | 14 | 0.10% | 1 | 0.01% | 4 | 0.03% | 3 | 0.02% | 22 |
| 221 | BiP protein | X87949 | 5 | 0.04% | 2 | 0.01% | 6 | 0.05% | 9 | 0.06% | 22 |
| 222 | 78 kD glucose-regulated protein (GRP78) gene | (M19645.1 | 4 | 0.03% | 2 | 0.01% | 6 | 0.05% | 10 | 0.07% | 22 |
| 223 | hemoglobin beta chain (HBB) | AF117710 | 0 | 0.00% | 4 | 0.02% | 16 | 0.13% | 1 | 0.01% | 21 |
| 224 | cytochrome c oxidase subunit I | D38112 | 0 | 0.00% | 20 | 0.12% | 1 | 0.01% | 0 | 0.00% | 21 |
| 225 | tyrosine 3-monooxygenase/tryptophan 5-monoo | NM_003404.1 | 4 | 0.03% | 4 | 0.02% | 4 | 0.03% | 9 | 0.06% | 21 |
| 226 | selenoprotein P (SEPP1) | Z11793 | 1 | 0.01% | 10 | 0.06% | 5 | 0.04% | 5 | 0.04% | 21 |
| 227 | elongation factor 2 | X51466 | 16 | 0.12% | 1 | 0.01% | 0 | 0.00% | 4 | 0.03% | 21 |
| 228 | ribosomal protein L14 | D87735 | 12 | 0.09% | 4 | 0.02% | 2 | 0.02% | 3 | 0.02% | 21 |
| 229 | endozepine (putative ligand of benzodiazepine r | M15887.1 | 2 | 0.01% | 1 | 0.01% | 6 | 0.05% | 12 | 0.08% | 21 |

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|-----|---|-------------|----|-------|----|-------|----|-------|----|-------|----|
| 230 | annexin A5 (ANXA5)(lipocortin-V) | NM_001154.2 | 9 | 0.07% | 4 | 0.02% | 1 | 0.01% | 7 | 0.05% | 21 |
| 231 | carboxypeptidase E (CPE) | NM_001873.1 | 6 | 0.04% | 8 | 0.05% | 7 | 0.06% | 0 | 0.00% | 21 |
| 232 | collagen type IX alpha 2 (COL9A2) | M95610 | 21 | 0.16% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 21 |
| 233 | myosin, light polypeptide, regulatory, non-sarcomeric | Hs.233936 | 2 | 0.01% | 7 | 0.04% | 4 | 0.03% | 8 | 0.06% | 21 |
| 234 | SPARC-like 1 (mast9, hevin) (SPARCL1) | NM_004684.1 | 2 | 0.01% | 2 | 0.01% | 16 | 0.13% | 0 | 0.00% | 20 |
| 235 | Cyr61 protein (CYR61) | AF031385 | 6 | 0.04% | 7 | 0.04% | 3 | 0.02% | 4 | 0.03% | 20 |
| 236 | fibrillin (FBN1) | X63556 | 4 | 0.03% | 2 | 0.01% | 3 | 0.02% | 11 | 0.08% | 20 |
| 237 | trophoblast STAT utron | AF080092.1 | 0 | 0.00% | 13 | 0.08% | 4 | 0.03% | 3 | 0.02% | 20 |
| 238 | prefoldin 5 (PFDN5) (=D89667 c-myc binding protein) | NP_002615.1 | 3 | 0.02% | 2 | 0.01% | 4 | 0.03% | 10 | 0.07% | 19 |
| 239 | cytochrome c oxidase subunit VIIc (COX7C) | NM_001867.1 | 2 | 0.01% | 3 | 0.02% | 7 | 0.06% | 7 | 0.05% | 19 |
| 240 | ring-box 1 (RBX1) | NM_014248.1 | 1 | 0.01% | 5 | 0.03% | 2 | 0.02% | 11 | 0.08% | 19 |
| 241 | epididymal secretory protein (19.5kD) (HE1) | gi5453677 | 0 | 0.00% | 6 | 0.03% | 6 | 0.05% | 7 | 0.05% | 19 |
| 242 | SRY (sex-determining region Y)-box 9 (campomelic dysplasia) | NM_000346.1 | 4 | 0.03% | 13 | 0.08% | 0 | 0.00% | 2 | 0.01% | 19 |
| 243 | H4 histone family, member G (H4FG) | NM_003542.2 | 0 | 0.00% | 2 | 0.01% | 3 | 0.02% | 14 | 0.10% | 19 |
| 244 | apolipoprotein D (APOD) | J02611 | 0 | 0.00% | 17 | 0.10% | 2 | 0.02% | 0 | 0.00% | 19 |
| 245 | cathepsin K (pseudodysostosis)(CTSK) | NM_000396.1 | 5 | 0.04% | 5 | 0.03% | 3 | 0.02% | 6 | 0.04% | 19 |
| 246 | peptidylglycine alpha-amidating monooxygenase | M37721 | 2 | 0.01% | 5 | 0.03% | 7 | 0.06% | 5 | 0.04% | 19 |
| 247 | zinc finger protein 216 (ZNF216) | AF062072.1 | 3 | 0.02% | 10 | 0.06% | 4 | 0.03% | 2 | 0.01% | 19 |
| 248 | heterogeneous nuclear ribonucleoprotein D-like | NM_005463.1 | 4 | 0.03% | 4 | 0.02% | 5 | 0.04% | 6 | 0.04% | 19 |
| 249 | chondromodulin I precursor (CHM-I) | NM_007015.1 | 15 | 0.11% | 4 | 0.02% | 0 | 0.00% | 0 | 0.00% | 19 |
| 250 | osteoclastogenesis inhibitory factor | AB008822 | 2 | 0.01% | 0 | 0.00% | 8 | 0.06% | 9 | 0.06% | 19 |
| 251 | enolase 1 (alpha) (ENO1) | NM_001428.1 | 16 | 0.12% | 0 | 0.00% | 1 | 0.01% | 2 | 0.01% | 19 |
| 252 | v-fos FBJ murine osteosarcoma viral oncogene homolog 1 | NM_005252.2 | 12 | 0.09% | 5 | 0.03% | 1 | 0.01% | 1 | 0.01% | 19 |
| 253 | palladin (KIAA0992)= CGI-151 | NM_016081.1 | 3 | 0.02% | 7 | 0.04% | 2 | 0.02% | 7 | 0.05% | 19 |
| 254 | heterogeneous nuclear ribonucleoprotein D (hnRNP D55671) | AF055671 | 4 | 0.03% | 4 | 0.02% | 5 | 0.04% | 6 | 0.04% | 19 |
| 255 | procollagen-lysine, 2-oxoglutarate 5-dioxygenase | Hs.41270 | 2 | 0.01% | 7 | 0.04% | 4 | 0.03% | 6 | 0.04% | 19 |
| 256 | lysyl oxidase | U22384 | 6 | 0.04% | 5 | 0.03% | 0 | 0.00% | 7 | 0.05% | 18 |
| 257 | gap junction protein, alpha 1, 43kD (connexin 43) | NM_000165.2 | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 16 | 0.11% | 18 |
| 258 | procollagen C-endopeptidase enhancer 2 (PCOLCE) | NM_013363.1 | 1 | 0.01% | 12 | 0.07% | 5 | 0.04% | 0 | 0.00% | 18 |
| 259 | NADH dehydrogenase subunit 4L (RefSeq aa 26-396) | gi5835396 | 0 | 0.00% | 12 | 0.07% | 1 | 0.01% | 5 | 0.04% | 18 |
| 260 | ubiquinol-cytochrome c reductase complex (7.2 INP) | NP_037519.1 | 2 | 0.01% | 4 | 0.02% | 8 | 0.06% | 4 | 0.03% | 18 |
| 261 | ATPase, H transporting, lysosomal (vacuolar type 1) | NM_003945.1 | 1 | 0.01% | 9 | 0.05% | 2 | 0.02% | 6 | 0.04% | 18 |
| 262 | ATP synthase, H transporting, mitochondrial F1F0 complex | NM_005174.1 | 5 | 0.04% | 2 | 0.01% | 4 | 0.03% | 7 | 0.05% | 18 |
| 263 | muscleblind (Drosophila)-like (MBNL) (=KIAA0412) | NM_021038.1 | 1 | 0.01% | 7 | 0.04% | 3 | 0.02% | 7 | 0.05% | 18 |
| 264 | calumenin (Calu) (calumenin) | AF013759 | 8 | 0.06% | 2 | 0.01% | 2 | 0.02% | 6 | 0.04% | 18 |
| 265 | ATP synthase, H transporting, mitochondrial F1F0 complex | NM_004046.1 | 5 | 0.04% | 2 | 0.01% | 4 | 0.03% | 7 | 0.05% | 18 |
| 266 | guanine nucleotide binding protein (G protein), alpha 1 | NM_000516.2 | 7 | 0.05% | 7 | 0.04% | 1 | 0.01% | 3 | 0.02% | 18 |
| 267 | vacuolar H-ATPase subunit | AF038954 | 1 | 0.01% | 8 | 0.05% | 2 | 0.02% | 7 | 0.05% | 18 |
| 268 | ribosomal protein 40S S27 isoform (RefSeq aa 4-104) | NP_057004.1 | 0 | 0.00% | 3 | 0.02% | 0 | 0.00% | 15 | 0.11% | 18 |
| 269 | elongation factor 1 beta 2 (EEF1B2) | NM_001959.1 | 10 | 0.07% | 2 | 0.01% | 3 | 0.02% | 2 | 0.01% | 17 |
| 270 | laminin receptor 1 (67kD, ribosomal protein SA) | NM_002295.1 | 12 | 0.09% | 2 | 0.01% | 2 | 0.02% | 1 | 0.01% | 17 |
| 271 | B-cell translocation protein 1 (BTG1) | X61123 | 5 | 0.04% | 5 | 0.03% | 2 | 0.02% | 5 | 0.04% | 17 |
| 272 | NADH dehydrogenase(ubiquinone) Fe-S protein | NM_004552.1 | 4 | 0.03% | 8 | 0.05% | 3 | 0.02% | 2 | 0.01% | 17 |
| 273 | dolichyl-phosphate beta-glucosyltransferase (AL) | AF102850.1 | 13 | 0.10% | 1 | 0.01% | 1 | 0.01% | 2 | 0.01% | 17 |
| 274 | frizzled-related protein (FRZB) | NM_001463.1 | 3 | 0.02% | 8 | 0.05% | 2 | 0.02% | 4 | 0.03% | 17 |
| 275 | pp21 homolog | AF125535.1 | 1 | 0.01% | 0 | 0.00% | 4 | 0.03% | 12 | 0.08% | 17 |
| 276 | neuroendocrine-specific protein C like (foocen) (FOCEN) | NM_007008.1 | 1 | 0.01% | 3 | 0.02% | 5 | 0.04% | 8 | 0.06% | 17 |
| 277 | testis enhanced gene transcribed protein (TEGT) | AF033095 | 4 | 0.03% | 6 | 0.03% | 4 | 0.03% | 3 | 0.02% | 17 |
| 278 | SOD-2 manganese superoxide dismutase | X65965 | 1 | 0.01% | 7 | 0.04% | 4 | 0.03% | 5 | 0.04% | 17 |
| 279 | decay-accelerating factor | M31516 | 0 | 0.00% | 4 | 0.02% | 7 | 0.06% | 6 | 0.04% | 17 |
| 280 | metallothionein-Ie (hMT-Ie) | M10942 | 0 | 0.00% | 13 | 0.08% | 2 | 0.02% | 2 | 0.01% | 17 |
| 281 | platelet-derived growth factor receptor alpha (PDGFR-alpha) | M21574 | 4 | 0.03% | 4 | 0.02% | 5 | 0.04% | 4 | 0.03% | 17 |
| 282 | mitochondrial signal peptidase | AF061737 | 3 | 0.02% | 5 | 0.03% | 4 | 0.03% | 5 | 0.04% | 17 |
| 283 | enhancer of rudimentary homologue | U66871 | 5 | 0.04% | 4 | 0.02% | 5 | 0.04% | 3 | 0.02% | 17 |
| 284 | tomoregulin | AB004064.1 | 3 | 0.02% | 2 | 0.01% | 4 | 0.03% | 8 | 0.06% | 17 |
| 285 | cell division cycle 10 (homologous to CDC10 of S. pombe) | NM_001788.1 | 4 | 0.03% | 5 | 0.03% | 2 | 0.02% | 6 | 0.04% | 17 |
| 286 | cytochrome c oxidase subunit III (RefSeq aa 86-104) | 5835394 | 0 | 0.00% | 17 | 0.10% | 0 | 0.00% | 0 | 0.00% | 17 |
| 287 | I-complex-associated-testis-expressed 1-like 1 (ITEX1) | NM_006519.1 | 2 | 0.01% | 12 | 0.07% | 2 | 0.02% | 1 | 0.01% | 17 |

| | | | | | | | | | | | |
|-----|--|-------------|----|-------|----|-------|----|-------|----|-------|----|
| 288 | guanine nucleotide binding protein (G protein), a | BC008855.1 | 8 | 0.06% | 7 | 0.04% | 0 | 0.00% | 2 | 0.01% | 17 |
| 289 | DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide | NM_004396.1 | 2 | 0.01% | 4 | 0.02% | 6 | 0.05% | 4 | 0.03% | 16 |
| 290 | calpactin 1 light chain | M81457 | 0 | 0.00% | 0 | 0.00% | 3 | 0.02% | 13 | 0.09% | 16 |
| 291 | hairy (Drosophila)-homolog (HRY) | NM_005524.2 | 0 | 0.00% | 11 | 0.06% | 3 | 0.02% | 2 | 0.01% | 16 |
| 292 | rapa-2 (rapa gene) | AJ277276.1 | 16 | 0.12% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 16 |
| 293 | deiodinase, iodothyronine, type II (DIO2), trans | gi7549802 | 0 | 0.00% | 14 | 0.08% | 1 | 0.01% | 1 | 0.01% | 16 |
| 294 | ADP-ribosylation factor 4 (ARF4) | AF104238.1 | 0 | 0.00% | 6 | 0.03% | 3 | 0.02% | 7 | 0.05% | 16 |
| 295 | KVLQT1 gene (=p150) | AJ006345.1 | 2 | 0.01% | 7 | 0.04% | 6 | 0.05% | 1 | 0.01% | 16 |
| 296 | thrombospondin 2 (THBS2) | L12350 | 5 | 0.04% | 2 | 0.01% | 1 | 0.01% | 8 | 0.06% | 16 |
| 297 | fatty acid binding protein 4, adipocyte (FABP4), Hs. | 83213 | 0 | 0.00% | 0 | 0.00% | 15 | 0.12% | 1 | 0.01% | 16 |
| 298 | p40 | AAC51266.1 | 0 | 0.00% | 7 | 0.04% | 3 | 0.02% | 6 | 0.04% | 16 |
| 299 | TI-227H (=tomoregulin; mitochondrial) | D50525 | 2 | 0.01% | 9 | 0.05% | 1 | 0.01% | 4 | 0.03% | 16 |
| 300 | cyclin I | D50310 | 4 | 0.03% | 4 | 0.02% | 3 | 0.02% | 5 | 0.04% | 16 |
| 301 | S100 calcium-binding protein A10 (annexin II lig | NM_002966.1 | 0 | 0.00% | 3 | 0.02% | 3 | 0.02% | 10 | 0.07% | 16 |
| 302 | ribosomal protein L28 | U14969 | 16 | 0.12% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 16 |
| 303 | glucocorticoid-induced GILZ | AF228339 | 3 | 0.02% | 8 | 0.05% | 1 | 0.01% | 4 | 0.03% | 16 |
| 304 | collagen type V alpha 2 (COL5A2) | M11718 | 4 | 0.03% | 1 | 0.01% | 2 | 0.02% | 8 | 0.06% | 15 |
| 305 | H3 histone, family 3A (H3F3A) | NM_002107.1 | 8 | 0.06% | 3 | 0.02% | 0 | 0.00% | 4 | 0.03% | 15 |
| 306 | neural precursor cell expressed, developmentall | NM_004404.1 | 6 | 0.04% | 3 | 0.02% | 3 | 0.02% | 3 | 0.02% | 15 |
| 307 | heat shock factor binding protein 1 (HSBP1) | NM_001537.1 | 1 | 0.01% | 2 | 0.01% | 2 | 0.02% | 10 | 0.07% | 15 |
| 308 | glypican 3 (GPC3) (chromosome X) (=L47176 G | L47125 | 15 | 0.11% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 15 |
| 309 | translocation protein 1(TLOC1) | NM_003262.1 | 3 | 0.02% | 6 | 0.03% | 6 | 0.05% | 0 | 0.00% | 15 |
| 310 | thrombospondin 4 (THBS4) | NM_003248.1 | 4 | 0.03% | 8 | 0.05% | 3 | 0.02% | 0 | 0.00% | 15 |
| 311 | 6.2 kd protein | AJ011007 | 0 | 0.00% | 14 | 0.08% | 1 | 0.01% | 0 | 0.00% | 15 |
| 312 | mannosidase, beta A, lysosomal (MANBA) gene | AF224669.1 | 3 | 0.02% | 6 | 0.03% | 1 | 0.01% | 5 | 0.04% | 15 |
| 313 | ubiquitin-like 1 (sentrin) (UBL1) (=SUMO-1) | NM_003352.1 | 2 | 0.01% | 3 | 0.02% | 9 | 0.07% | 1 | 0.01% | 15 |
| 314 | TGF-betaIIIR alpha | D50683 | 1 | 0.01% | 4 | 0.02% | 2 | 0.02% | 8 | 0.06% | 15 |
| 315 | H2A histone family, member Z (H2AFZ) = D284 | NM_002106.1 | 4 | 0.03% | 10 | 0.06% | 0 | 0.00% | 1 | 0.01% | 15 |
| 316 | MAFB/Kreisler basic region/leucine zipper trans | AF134157.1 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 13 | 0.09% | 15 |
| 317 | cig19 (=D31887.1 KIAA0062) | AF026940.1 | 1 | 0.01% | 6 | 0.03% | 2 | 0.02% | 6 | 0.04% | 15 |
| 318 | UMP-CMP kinase | AF110643.1 | 0 | 0.00% | 3 | 0.02% | 5 | 0.04% | 7 | 0.05% | 15 |
| 319 | cytochrome c oxidase subunit II gene (ORF) | AF004339 | 3 | 0.02% | 10 | 0.06% | 2 | 0.02% | 0 | 0.00% | 15 |
| 320 | cytosolic selenium-dependent glutathione peroxi | M83094 | 2 | 0.01% | 3 | 0.02% | 7 | 0.06% | 3 | 0.02% | 15 |
| 321 | collagen type XIV variant C-terminal NC1 and 3' | Y11711 | 6 | 0.04% | 6 | 0.03% | 2 | 0.02% | 1 | 0.01% | 15 |
| 322 | phosphoglycerate mutase (PGAM-B) | J04173 | 6 | 0.04% | 1 | 0.01% | 1 | 0.01% | 7 | 0.05% | 15 |
| 323 | phosphoglycerate kinase 1 (PGK1) (ORF) | NM_000291.1 | 3 | 0.02% | 4 | 0.02% | 2 | 0.02% | 6 | 0.04% | 15 |
| 324 | reverse transcriptase related protein | prf1207289A | 1 | 0.01% | 11 | 0.06% | 2 | 0.02% | 1 | 0.01% | 15 |
| 325 | Heterogeneous nuclear ribonucleoprotein U (sca | NM_004501.1 | 3 | 0.02% | 4 | 0.02% | 5 | 0.04% | 3 | 0.02% | 15 |
| 326 | collagen type XII alpha 1 (COL12A1) | U57362 | 10 | 0.07% | 0 | 0.00% | 2 | 0.02% | 3 | 0.02% | 15 |
| 327 | small nuclear ribonucleoprotein D2 polypeptide (| NM_004597.3 | 2 | 0.01% | 5 | 0.03% | 2 | 0.02% | 5 | 0.04% | 14 |
| 328 | Cu/Zn superoxide dismutase (SOD) | X02317 | 3 | 0.02% | 1 | 0.01% | 4 | 0.03% | 6 | 0.04% | 14 |
| 329 | nuclease sensitive element binding protein 1 (N | NM_004559.1 | 4 | 0.03% | 2 | 0.01% | 2 | 0.02% | 6 | 0.04% | 14 |
| 330 | phospholipase A2 | M86400 | 0 | 0.00% | 3 | 0.02% | 5 | 0.04% | 6 | 0.04% | 14 |
| 331 | glutamine synthetase | S70290 | 0 | 0.00% | 11 | 0.06% | 1 | 0.01% | 2 | 0.01% | 14 |
| 332 | cathepsin B (CTSB) | L22569 | 3 | 0.02% | 3 | 0.02% | 2 | 0.02% | 6 | 0.04% | 14 |
| 333 | thyroid receptor interactor (TRIP7) | L40357 | 3 | 0.02% | 3 | 0.02% | 4 | 0.03% | 4 | 0.03% | 14 |
| 334 | alpha-2-macroglobulin | D83196 | 3 | 0.02% | 4 | 0.02% | 6 | 0.05% | 1 | 0.01% | 14 |
| 335 | Tis11d gene | U07802 | 5 | 0.04% | 6 | 0.03% | 3 | 0.02% | 0 | 0.00% | 14 |
| 336 | vacuolar sorting protein VPS29/PEP11 (LOC51 | NM_016226.1 | 2 | 0.01% | 2 | 0.01% | 3 | 0.02% | 7 | 0.05% | 14 |
| 337 | low molecular mass ubiquinone-binding protein | D50369 | 4 | 0.03% | 3 | 0.02% | 0 | 0.00% | 7 | 0.05% | 14 |
| 338 | Ku autoimmune antigen gene | J04977.1 | 1 | 0.01% | 1 | 0.01% | 9 | 0.07% | 3 | 0.02% | 14 |
| 339 | transforming growth factor beta-stimulated protei | NM_006022.1 | 5 | 0.04% | 6 | 0.03% | 3 | 0.02% | 0 | 0.00% | 14 |
| 340 | caldesmon | M64110 | 0 | 0.00% | 0 | 0.00% | 3 | 0.02% | 11 | 0.08% | 14 |
| 341 | HSPC330 mRNA(=HSPC016) | AF161448.1 | 5 | 0.04% | 4 | 0.02% | 0 | 0.00% | 5 | 0.04% | 14 |
| 342 | syndecan binding protein (syntenin) (SDCBP)(O | NM_005625.1 | 2 | 0.01% | 5 | 0.03% | 5 | 0.04% | 2 | 0.01% | 14 |
| 343 | triosephosphate isomerase (TPI1) | M10036 | 8 | 0.06% | 5 | 0.03% | 1 | 0.01% | 0 | 0.00% | 14 |
| 344 | transcription elongation factor B polypeptide 1-lik | NP_003188.1 | 0 | 0.00% | 14 | 0.08% | 0 | 0.00% | 0 | 0.00% | 14 |
| 345 | heat shock 70kD protein 10 (HSC71) (HSPA10) | NM_006597.1 | 1 | 0.01% | 7 | 0.04% | 1 | 0.01% | 4 | 0.03% | 13 |

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|-----|---|-------------|----|-------|----|-------|---|-------|----|-------|----|
| 346 | transmembrane protein (CD59) | M84349.1 | 1 | 0.01% | 6 | 0.03% | 0 | 0.00% | 6 | 0.04% | 13 |
| 347 | chloride intracellular channel 4 like (CLIC4L) | NM_013943.1 | 1 | 0.01% | 6 | 0.03% | 3 | 0.02% | 3 | 0.02% | 13 |
| 348 | phenylalkylamine binding protein gene | AF196969.1 | 3 | 0.02% | 2 | 0.01% | 7 | 0.06% | 1 | 0.01% | 13 |
| 349 | collagenase type IV | J03210 | 10 | 0.07% | 2 | 0.01% | 0 | 0.00% | 1 | 0.01% | 13 |
| 350 | calnexin (CANX) integral membrane protein, cal | M94859 | 0 | 0.00% | 4 | 0.02% | 2 | 0.02% | 7 | 0.05% | 13 |
| 351 | actin binding protein ABP620 | AB029290.1 | 3 | 0.02% | 5 | 0.03% | 1 | 0.01% | 4 | 0.03% | 13 |
| 352 | peripheral myelin protein 22 | M94048 | 5 | 0.04% | 4 | 0.02% | 3 | 0.02% | 1 | 0.01% | 13 |
| 353 | syntaxin 4 binding protein UNC-18c (UNC-18c) | AF032922.1 | 10 | 0.07% | 0 | 0.00% | 1 | 0.01% | 2 | 0.01% | 13 |
| 354 | CGI-110 protein | AF151868.1 | 1 | 0.01% | 4 | 0.02% | 2 | 0.02% | 6 | 0.04% | 13 |
| 355 | HSPC163 | AF161512 | 0 | 0.00% | 2 | 0.01% | 4 | 0.03% | 7 | 0.05% | 13 |
| 356 | sin3 associated polypeptide (SAP18) | AF153608 | 3 | 0.02% | 4 | 0.02% | 4 | 0.03% | 2 | 0.01% | 13 |
| 357 | TPT1 gene for translationally controlled tumor pr | AJ400717.1 | 2 | 0.01% | 10 | 0.06% | 0 | 0.00% | 1 | 0.01% | 13 |
| 358 | ribosomal protein S15 (RPS15) (=insulinoma rig- | NM_001018.1 | 11 | 0.08% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 13 |
| 359 | ribosomal protein S26 | NM_001029.1 | 6 | 0.04% | 7 | 0.04% | 0 | 0.00% | 0 | 0.00% | 13 |
| 360 | pre-mRNA splicing factor (SFRS3) | AF107405.1 | 3 | 0.02% | 3 | 0.02% | 2 | 0.02% | 5 | 0.04% | 13 |
| 361 | thrombospondin 1 (THBS1) | NM_003246.1 | 5 | 0.04% | 2 | 0.01% | 5 | 0.04% | 1 | 0.01% | 13 |
| 362 | insulin-like growth factor binding protein 5 (IGFB | L27556.1 | 6 | 0.04% | 5 | 0.03% | 1 | 0.01% | 1 | 0.01% | 13 |
| 363 | fibroblast activation protein, alpha; seprase (FAF | NM_004460.1 | 2 | 0.01% | 6 | 0.03% | 0 | 0.00% | 5 | 0.04% | 13 |
| 364 | thymosin beta-10 | S54005 | 9 | 0.07% | 0 | 0.00% | 2 | 0.02% | 2 | 0.01% | 13 |
| 365 | HSPC005 (=C11orf10) | AF070661 | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 11 | 0.08% | 13 |
| 366 | Chaperonin (hsp60 gene) | AJ249625.1 | 13 | 0.10% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 13 |
| 367 | HS1 protein (=YWHAQ) | X57347 | 1 | 0.01% | 4 | 0.02% | 2 | 0.02% | 6 | 0.04% | 13 |
| 368 | electron transfer flavoprotein alpha-subunit | J04058.1 | 1 | 0.01% | 12 | 0.07% | 0 | 0.00% | 0 | 0.00% | 13 |
| 369 | integrin, beta 1(fibronectin receptor, beta polypep | NM_002211.1 | 0 | 0.00% | 4 | 0.02% | 3 | 0.02% | 6 | 0.04% | 13 |
| 370 | Fritz mRNA, complete cds | U91903.1 | 2 | 0.01% | 8 | 0.05% | 3 | 0.02% | 0 | 0.00% | 13 |
| 371 | heterogeneous nuclear ribonucleoprotein K (HNI | NM_002140.1 | 5 | 0.04% | 0 | 0.00% | 4 | 0.03% | 3 | 0.02% | 12 |
| 372 | heat shock 90kD protein 1 beta (HSPCB) | NM_007355.1 | 6 | 0.04% | 3 | 0.02% | 3 | 0.02% | 0 | 0.00% | 12 |
| 373 | insulin-like growth factor binding protein 7 (IGFB | 4504618 | 0 | 0.00% | 2 | 0.01% | 5 | 0.04% | 5 | 0.04% | 12 |
| 374 | hypoxia-inducible factor 1 alpha (HIF-1 alpha) | U22431 | 0 | 0.00% | 2 | 0.01% | 6 | 0.05% | 4 | 0.03% | 12 |
| 375 | growth arrest-specific 1 (GAS1) | NM_002048.1 | 0 | 0.00% | 2 | 0.01% | 5 | 0.04% | 5 | 0.04% | 12 |
| 376 | lactate dehydrogenase B (LDH-B) | Y00711 | 3 | 0.02% | 6 | 0.03% | 1 | 0.01% | 2 | 0.01% | 12 |
| 377 | sterol carrier protein 2 | S52450 | 0 | 0.00% | 3 | 0.02% | 6 | 0.05% | 3 | 0.02% | 12 |
| 378 | mitochondrial proteolipid 68MP homolog (PLPM) | NM_004894.1 | 1 | 0.01% | 3 | 0.02% | 3 | 0.02% | 5 | 0.04% | 12 |
| 379 | hepatitis B virus X interacting protein (XIP) | AF029890 | 1 | 0.01% | 3 | 0.02% | 3 | 0.02% | 5 | 0.04% | 12 |
| 380 | nicotinamide N-methyltransferase (NNMT) | U08021 | 0 | 0.00% | 8 | 0.05% | 1 | 0.01% | 3 | 0.02% | 12 |
| 381 | ATP synthase epsilon chain | AF077045.1 | 1 | 0.01% | 0 | 0.00% | 3 | 0.02% | 8 | 0.06% | 12 |
| 382 | cytochrome c oxidase subunit VIIa (COX7A) mu: | M83186 | 0 | 0.00% | 1 | 0.01% | 2 | 0.02% | 9 | 0.06% | 12 |
| 383 | DEK oncogene (DNA binding) (DEK) | gi4503248 | 5 | 0.04% | 1 | 0.01% | 3 | 0.02% | 3 | 0.02% | 12 |
| 384 | hypoxia-inducible gene 1 (HIG1) (=HSPC010) | AF145385.1 | 1 | 0.01% | 0 | 0.00% | 8 | 0.06% | 3 | 0.02% | 12 |
| 385 | activated RNA polymerase (PC4) | NM_006713.1 | 1 | 0.01% | 3 | 0.02% | 3 | 0.02% | 5 | 0.04% | 12 |
| 386 | breast carcinoma amplified sequence 2 (BCAS2 | NM_005872.1 | 0 | 0.00% | 0 | 0.00% | 8 | 0.06% | 4 | 0.03% | 12 |
| 387 | enhancer-of-split and hairy-related protein 1 (SH | AF009329.1 | 0 | 0.00% | 10 | 0.06% | 1 | 0.01% | 1 | 0.01% | 12 |
| 388 | BCL2/adenovirus E1B 19kD-interacting protein 3 | U15174 | 2 | 0.01% | 3 | 0.02% | 3 | 0.02% | 4 | 0.03% | 12 |
| 389 | protein tyrosine phosphatase (hR-PTPu) | X58288 | 4 | 0.03% | 3 | 0.02% | 2 | 0.02% | 3 | 0.02% | 12 |
| 390 | TRPM-2, cytosolic epoxide hydrolase, nicotinic | AF311103.1 | 0 | 0.00% | 11 | 0.06% | 1 | 0.01% | 0 | 0.00% | 12 |
| 391 | colon carcinoma laminin-binding protein (=RIBO: | J03799.1 | 10 | 0.07% | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 12 |
| 392 | alpha E-catenin (CTNNA1) gene | AF102803.1 | 3 | 0.02% | 3 | 0.02% | 2 | 0.02% | 4 | 0.03% | 12 |
| 393 | Cik-associated RS cyclophilin CARS-Cyp | U40763 | 0 | 0.00% | 3 | 0.02% | 5 | 0.04% | 4 | 0.03% | 12 |
| 394 | suppression of tumorigenicity 13 (Hsp70-interact | NM_003932.1 | 2 | 0.01% | 7 | 0.04% | 0 | 0.00% | 3 | 0.02% | 12 |
| 395 | cytochrome c oxidase subunit VIIa polypeptide 2 | NM_004718.1 | 1 | 0.01% | 4 | 0.02% | 2 | 0.02% | 5 | 0.04% | 12 |
| 396 | cyclin | M74091 | 4 | 0.03% | 1 | 0.01% | 1 | 0.01% | 6 | 0.04% | 12 |
| 397 | NADH dehydrogenase subunit 2 (ND2) | AF014897.2 | 2 | 0.01% | 3 | 0.02% | 1 | 0.01% | 6 | 0.04% | 12 |
| 398 | ATP synthase, H transporting, mitochondrial (Re | NP_001676.1 | 0 | 0.00% | 12 | 0.07% | 0 | 0.00% | 0 | 0.00% | 12 |
| 399 | nuclear protein SDK3 (=MEMA) | Y10351 | 6 | 0.04% | 4 | 0.02% | 0 | 0.00% | 2 | 0.01% | 12 |
| 400 | 15 kDa selenoprotein (SEP15) | AF051894 | 1 | 0.01% | 2 | 0.01% | 3 | 0.02% | 6 | 0.04% | 12 |
| 401 | eukaryotic translation elongation factor 1 gamma | NM_001404.1 | 6 | 0.04% | 3 | 0.02% | 0 | 0.00% | 2 | 0.01% | 11 |
| 402 | transmembrane protein (p63) | X69910 | 8 | 0.06% | 1 | 0.01% | 1 | 0.01% | 1 | 0.01% | 11 |
| 403 | clathrin, heavy polypeptide-like 2 (CLTCL2) (=KL | NM_004859.1 | 3 | 0.02% | 0 | 0.00% | 0 | 0.00% | 8 | 0.06% | 11 |

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|-----|--|-------------|----|-------|---|-------|---|-------|---|-------|----|
| 404 | extracellular matrix protein | AB011792 | 0 | 0.00% | 1 | 0.01% | 5 | 0.04% | 5 | 0.04% | 11 |
| 405 | mesoderm specific transcript (mouse) homolog | NM_002402.1 | 10 | 0.07% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 11 |
| 406 | KIAA0728 | AB018271.1 | 0 | 0.00% | 1 | 0.01% | 6 | 0.05% | 4 | 0.03% | 11 |
| 407 | ADP/ATP translocase | J03592 | 5 | 0.04% | 6 | 0.03% | 0 | 0.00% | 0 | 0.00% | 11 |
| 408 | UDP-glucose dehydrogenase (UGDH) | AF061016 | 2 | 0.01% | 2 | 0.01% | 4 | 0.03% | 3 | 0.02% | 11 |
| 409 | protein phosphatase 2 (formerly 2A), catalytic su | NM_002715.1 | 4 | 0.03% | 4 | 0.02% | 1 | 0.01% | 2 | 0.01% | 11 |
| 410 | protein C inhibitor [human, leukocytes, Genomic | S69366.1 | 1 | 0.01% | 6 | 0.03% | 1 | 0.01% | 3 | 0.02% | 11 |
| 411 | ribophorin II (RPN2) | Y00282 | 7 | 0.05% | 3 | 0.02% | 0 | 0.00% | 1 | 0.01% | 11 |
| 412 | ubiquitin-conjugating enzyme E2B (RAD6 homolog | NM_003337.1 | 1 | 0.01% | 6 | 0.03% | 2 | 0.02% | 2 | 0.01% | 11 |
| 413 | ERF-1 | X79067.1 | 3 | 0.02% | 2 | 0.01% | 0 | 0.00% | 6 | 0.04% | 11 |
| 414 | zinc finger transcription factor GKL | AF105036.1 | 1 | 0.01% | 4 | 0.02% | 2 | 0.02% | 4 | 0.03% | 11 |
| 415 | GABA(A) receptor-associated protein (GABARA | NM_007278.1 | 5 | 0.04% | 3 | 0.02% | 0 | 0.00% | 3 | 0.02% | 11 |
| 416 | titin (TTN) gene | CAA49245.1 | 5 | 0.04% | 1 | 0.01% | 2 | 0.02% | 3 | 0.02% | 11 |
| 417 | epidermal growth factor receptor kinase substrat | U12535 | 1 | 0.01% | 2 | 0.01% | 5 | 0.04% | 3 | 0.02% | 11 |
| 418 | FRG1 | L76159 | 1 | 0.01% | 3 | 0.02% | 2 | 0.02% | 5 | 0.04% | 11 |
| 419 | E25B protein | U76253 | 10 | 0.07% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 11 |
| 420 | transcription factor BTF 3 | X74070 | 6 | 0.04% | 1 | 0.01% | 1 | 0.01% | 3 | 0.02% | 11 |
| 421 | transmembrane glycoprotein (GPNMB) | X76534 | 0 | 0.00% | 2 | 0.01% | 4 | 0.03% | 5 | 0.04% | 11 |
| 422 | profilin II | L10678.1 | 3 | 0.02% | 3 | 0.02% | 1 | 0.01% | 4 | 0.03% | 11 |
| 423 | calreticulin (CALR) | M84739 | 7 | 0.05% | 2 | 0.01% | 0 | 0.00% | 2 | 0.01% | 11 |
| 424 | ADP-ribosylation factor 1 | M84326.1 | 7 | 0.05% | 1 | 0.01% | 3 | 0.02% | 0 | 0.00% | 11 |
| 425 | 16.7Kd protein | AF078845.1 | 3 | 0.02% | 3 | 0.02% | 2 | 0.02% | 3 | 0.02% | 11 |
| 426 | KIAA1247 | AB033073.1 | 0 | 0.00% | 5 | 0.03% | 2 | 0.02% | 4 | 0.03% | 11 |
| 427 | peroxiredoxin 1 (PRDX1) (=NKEFA) | NM_002574.1 | 3 | 0.02% | 6 | 0.03% | 1 | 0.01% | 1 | 0.01% | 11 |
| 428 | poly(A)-binding protein, cytoplasmic 1 (PABPC1 | NM_002568.1 | 2 | 0.01% | 3 | 0.02% | 0 | 0.00% | 6 | 0.04% | 11 |
| 429 | tyrosine 3-monooxygenase/tryptophan 5-monoo | NM_006826.1 | 3 | 0.02% | 3 | 0.02% | 1 | 0.01% | 4 | 0.03% | 11 |
| 430 | myosin light chain 3 non-muscle (MLC3nm) | M31212 | 1 | 0.01% | 1 | 0.01% | 3 | 0.02% | 5 | 0.04% | 10 |
| 431 | Lsm3 protein | AJ238095.1 | 0 | 0.00% | 4 | 0.02% | 2 | 0.02% | 4 | 0.03% | 10 |
| 432 | CD164 antigen, sialomucin (CD164) | NM_006016.1 | 1 | 0.01% | 3 | 0.02% | 1 | 0.01% | 5 | 0.04% | 10 |
| 433 | collagen type XVI collagen alpha 1 (COL16A1) | S57132.1 | 10 | 0.07% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 10 |
| 434 | SET translocation (myeloid leukemia-associated | NM_003011.1 | 2 | 0.01% | 2 | 0.01% | 2 | 0.02% | 4 | 0.03% | 10 |
| 435 | amyloid-beta protein (APP) | M33112.1 | 0 | 0.00% | 3 | 0.02% | 3 | 0.02% | 4 | 0.03% | 10 |
| 436 | vesicle docking protein p115 (P115) | NM_003715.1 | 0 | 0.00% | 2 | 0.01% | 4 | 0.03% | 4 | 0.03% | 10 |
| 437 | hereditary haemochromatosis region, histone 2A | U91328.1 | 0 | 0.00% | 3 | 0.02% | 3 | 0.02% | 4 | 0.03% | 10 |
| 438 | cell cycle progression 8 protein (CPR8)(ORF)=A | NM_004748.1 | 0 | 0.00% | 2 | 0.01% | 2 | 0.02% | 6 | 0.04% | 10 |
| 439 | KIAA0438 | AB007898.1 | 1 | 0.01% | 4 | 0.02% | 2 | 0.02% | 3 | 0.02% | 10 |
| 440 | actin, alpha, cardiac muscle | NP_005150.1 | 2 | 0.01% | 8 | 0.05% | 0 | 0.00% | 0 | 0.00% | 10 |
| 441 | GAP-associated tyrosine phosphoprotein p62 (S | NM_006559.1 | 2 | 0.01% | 4 | 0.02% | 1 | 0.01% | 3 | 0.02% | 10 |
| 442 | sphingolipid activator protein 1 | J03015 | 4 | 0.03% | 1 | 0.01% | 1 | 0.01% | 4 | 0.03% | 10 |
| 443 | transcription elongation factor A (SII), 1 (TCEA1) | NM_006756.1 | 0 | 0.00% | 1 | 0.01% | 4 | 0.03% | 5 | 0.04% | 10 |
| 444 | nuclear pore complex interacting protein (NPIP) | AF132984.1 | 1 | 0.01% | 9 | 0.05% | 0 | 0.00% | 0 | 0.00% | 10 |
| 445 | ganglioside expression factor 2 (GEF-2) | NM_007285.1 | 1 | 0.01% | 3 | 0.02% | 1 | 0.01% | 5 | 0.04% | 10 |
| 446 | Down syndrome candidate region 1 (DSCR1) | NM_004414.2 | 1 | 0.01% | 2 | 0.01% | 1 | 0.01% | 6 | 0.04% | 10 |
| 447 | S164 (=AC004858 U1 small ribonucleoprotein 1 | AF109907 | 1 | 0.01% | 3 | 0.02% | 3 | 0.02% | 3 | 0.02% | 10 |
| 448 | proline-rich protein with nuclear targeting signal | NM_006813.1 | 0 | 0.00% | 3 | 0.02% | 5 | 0.04% | 2 | 0.01% | 10 |
| 449 | PAPS synthetase-2 (PAPSS2) | AF074331.1 | 2 | 0.01% | 3 | 0.02% | 2 | 0.02% | 3 | 0.02% | 10 |
| 450 | RIBOSOMAL PROTEIN SA (P40) | spP08865 | 8 | 0.06% | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 10 |
| 451 | ataxia telangiectasia (ATM) gene | U82828.1 | 0 | 0.00% | 5 | 0.03% | 2 | 0.02% | 3 | 0.02% | 10 |
| 452 | ARP2/3 protein complex subunit p21 (ARC21=A | NM_005719.1 | 1 | 0.01% | 1 | 0.01% | 6 | 0.05% | 2 | 0.01% | 10 |
| 453 | HSPC297 (=HSPC030) | AF161415.1 | 0 | 0.00% | 1 | 0.01% | 4 | 0.03% | 5 | 0.04% | 10 |
| 454 | NS1-binding protein (NS1-BP) (=AB020657 KIA | AJ012449 | 1 | 0.01% | 1 | 0.01% | 6 | 0.05% | 2 | 0.01% | 10 |
| 455 | dioxin-inducible cytochrome P450 (CYP1B1) | U03688.1 | 0 | 0.00% | 6 | 0.03% | 3 | 0.02% | 1 | 0.01% | 10 |
| 456 | WSB-1 isoform | AF106684.1 | 3 | 0.02% | 5 | 0.03% | 1 | 0.01% | 1 | 0.01% | 10 |
| 457 | protein disulfide isomerase-related protein (P5) | NM_005742.1 | 2 | 0.01% | 0 | 0.00% | 5 | 0.04% | 3 | 0.02% | 10 |
| 458 | membrane protein CH1 (CH1) | AB020980 | 3 | 0.02% | 6 | 0.03% | 1 | 0.01% | 0 | 0.00% | 10 |
| 459 | sema domain immunoglobulin domain (Ig)(sema | NM_012431.1 | 1 | 0.01% | 3 | 0.02% | 4 | 0.03% | 2 | 0.01% | 10 |
| 460 | heat shock J2 protein (HSJ2) | AF075601.1 | 2 | 0.01% | 0 | 0.00% | 4 | 0.03% | 4 | 0.03% | 10 |
| 461 | T245 protein (T245) =TM4SF6=TM4-D | AF043906 | 1 | 0.01% | 4 | 0.02% | 0 | 0.00% | 5 | 0.04% | 10 |

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|--|---|-------|---|-------|---|-------|---|-------|----|
| 462 inositol polyphosphate 1-phosphatase gene (INF AF141324.1 | 1 | 0.01% | 1 | 0.01% | 2 | 0.02% | 6 | 0.04% | 10 |
| 463 RAN, member RAS oncogene family (RAN), mR Hs.10842 | 2 | 0.01% | 1 | 0.01% | 0 | 0.00% | 7 | 0.05% | 10 |
| 464 HSPC016, mRNA /cds=(38,232) /gb=NM_01593 Hs.171774 | 4 | 0.03% | 2 | 0.01% | 0 | 0.00% | 4 | 0.03% | 10 |
| 465 JKTBP2, JKTBP1, complete cds AB017018.1 | 2 | 0.01% | 5 | 0.03% | 2 | 0.02% | 1 | 0.01% | 10 |
| 466 ribosomal 18S, 58S, and 28S (=45S pre rRNA gi V01270.1 | 0 | 0.00% | 9 | 0.05% | 0 | 0.00% | 0 | 0.00% | 9 |
| 467 SEC24 (S. cerevisiae)related gene family, memt NM_014822.1 | 0 | 0.00% | 2 | 0.01% | 3 | 0.02% | 4 | 0.03% | 9 |
| 468 annexin A4 (ANXA4) NM_001153.2 | 0 | 0.00% | 2 | 0.01% | 3 | 0.02% | 4 | 0.03% | 9 |
| 469 arginine-rich nuclear protein M74002 | 3 | 0.02% | 0 | 0.00% | 2 | 0.02% | 4 | 0.03% | 9 |
| 470 malate dehydrogenase 1, NAD (soluble) (MDH1; NM_005917.1 | 0 | 0.00% | 3 | 0.02% | 3 | 0.02% | 3 | 0.02% | 9 |
| 471 collagen type VI alpha 1(COL6A1) X15880 | 3 | 0.02% | 2 | 0.01% | 1 | 0.01% | 3 | 0.02% | 9 |
| 472 SMT3 (suppressor of mif two 3, yeast) homolog : NM_006937.1 | 1 | 0.01% | 4 | 0.02% | 2 | 0.02% | 2 | 0.01% | 9 |
| 473 cyclophilin B (hCyPB) M60857 | 5 | 0.04% | 3 | 0.02% | 0 | 0.00% | 1 | 0.01% | 9 |
| 474 YAP65 X80507.1 | 3 | 0.02% | 1 | 0.01% | 4 | 0.03% | 1 | 0.01% | 9 |
| 475 uridine diphosphoglucose pyrophosphorylase U27460 | 1 | 0.01% | 1 | 0.01% | 4 | 0.03% | 3 | 0.02% | 9 |
| 476 prollyl 4-hydroxylase gene U14608.1 | 3 | 0.02% | 1 | 0.01% | 1 | 0.01% | 4 | 0.03% | 9 |
| 477 melanoma-associated antigen MG50 AF200348.1 | 7 | 0.05% | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 9 |
| 478 kinectin 1 (kinesin receptor) (KTN1)(= KIAA0004 NM_004986.1 | 0 | 0.00% | 2 | 0.01% | 4 | 0.03% | 3 | 0.02% | 9 |
| 479 Dickkopf gene 3 (DKK-3) NM_013253.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 8 | 0.06% | 9 |
| 480 AD-017 protein AF157318.1 | 1 | 0.01% | 4 | 0.02% | 2 | 0.02% | 2 | 0.01% | 9 |
| 481 Fn54 AF001533.2 | 0 | 0.00% | 0 | 0.00% | 3 | 0.02% | 6 | 0.04% | 9 |
| 482 HSPC035 protein (LOC51669), NP0003 NM_016127.1 | 2 | 0.01% | 2 | 0.01% | 3 | 0.02% | 2 | 0.01% | 9 |
| 483 KIAA0164 D79986 | 1 | 0.01% | 4 | 0.02% | 2 | 0.02% | 2 | 0.01% | 9 |
| 484 KIAA0970 AB023187.1 | 0 | 0.00% | 4 | 0.02% | 3 | 0.02% | 2 | 0.01% | 9 |
| 485 KIAA1077 AB029000.1 | 3 | 0.02% | 2 | 0.01% | 2 | 0.02% | 2 | 0.01% | 9 |
| 486 prion protein (p27-30) (Creutzfeld-Jakob disease NM_000311.1 | 1 | 0.01% | 3 | 0.02% | 1 | 0.01% | 4 | 0.03% | 9 |
| 487 trichorhinophalangeal syndrome I gene (TRPS1) NM_014112.1 | 0 | 0.00% | 5 | 0.03% | 2 | 0.02% | 2 | 0.01% | 9 |
| 488 activating transCRiption factor 4 (tax-responsive gi4502264 | 4 | 0.03% | 5 | 0.03% | 0 | 0.00% | 0 | 0.00% | 9 |
| 489 sox AF070669 | 0 | 0.00% | 6 | 0.03% | 0 | 0.00% | 3 | 0.02% | 9 |
| 490 TATA box binding protein (TBP)-associated factor NM_005642.1 | 2 | 0.01% | 3 | 0.02% | 2 | 0.02% | 2 | 0.01% | 9 |
| 491 allograft inflammatory factor 1 (AIF1) NM_001623.2 | 1 | 0.01% | 5 | 0.03% | 0 | 0.00% | 3 | 0.02% | 9 |
| 492 heat shock protein 86 (HSP86) M30626.1 | 1 | 0.01% | 0 | 0.00% | 3 | 0.02% | 5 | 0.04% | 9 |
| 493 t-complex-associated-testis-expressed 1-like (TC NM_005520.1 | 0 | 0.00% | 5 | 0.03% | 1 | 0.01% | 3 | 0.02% | 9 |
| 494 matrilin-2 precursor U69263 | 1 | 0.01% | 2 | 0.01% | 3 | 0.02% | 3 | 0.02% | 9 |
| 495 actin-related protein Arp3 (ARP3)(actin-related p AF006083.1 | 2 | 0.01% | 1 | 0.01% | 2 | 0.02% | 4 | 0.03% | 9 |
| 496 bone sialoprotein (BNSP) L10363.1 | 5 | 0.04% | 4 | 0.02% | 0 | 0.00% | 0 | 0.00% | 9 |
| 497 interleukin 1 receptor, type I (IL1R1) = M27492.1 NM_000877.1 | 1 | 0.01% | 3 | 0.02% | 1 | 0.01% | 4 | 0.03% | 9 |
| 498 serine/threonine protein kinase Kp78 splice vari AF159295.1 | 1 | 0.01% | 8 | 0.05% | 0 | 0.00% | 0 | 0.00% | 9 |
| 499 latent transforming growth factor beta binding pr NM_000627.1 | 2 | 0.01% | 4 | 0.02% | 2 | 0.02% | 1 | 0.01% | 9 |
| 500 MAGUK protein p55T (=AB002323 KIAA0325) AF162130.1 | 2 | 0.01% | 3 | 0.02% | 3 | 0.02% | 1 | 0.01% | 9 |
| 501 NAP (nucleosome assembly protein) M86667 | 0 | 0.00% | 2 | 0.01% | 1 | 0.01% | 6 | 0.04% | 9 |
| 502 fragile 16D oxido reductase (FOR) AF217490.1 | 1 | 0.01% | 5 | 0.03% | 3 | 0.02% | 0 | 0.00% | 9 |
| 503 factor H homologue M65294.1 | 0 | 0.00% | 3 | 0.02% | 1 | 0.01% | 5 | 0.04% | 9 |
| 504 CYTOCHROME C OXIDASE POLYPEPTIDE I P00395 | 1 | 0.01% | 2 | 0.01% | 2 | 0.02% | 4 | 0.03% | 9 |
| 505 stathmin (=J04991 p18 protein; Z11566 Pr22 prc X53305 | 8 | 0.06% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 9 |
| 506 cellular growth-regulating protein L10844 | 4 | 0.03% | 2 | 0.01% | 1 | 0.01% | 2 | 0.01% | 9 |
| 507 paired mesoderm homeo box 1 (PMX1) gi5902023 | 1 | 0.01% | 0 | 0.00% | 5 | 0.04% | 3 | 0.02% | 9 |
| 508 PTD014 AF092135.1 | 0 | 0.00% | 1 | 0.01% | 3 | 0.02% | 5 | 0.04% | 9 |
| 509 SWI/SNF related, matrix associated (SMARCA1 gi4507066 | 3 | 0.02% | 2 | 0.01% | 2 | 0.02% | 2 | 0.01% | 9 |
| 510 fos proto-oncogene (c-fos) K00650.1 | 8 | 0.06% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 9 |
| 511 integral membrane protein 2A (ITM2A) NM_004867.1 | 4 | 0.03% | 5 | 0.03% | 0 | 0.00% | 0 | 0.00% | 9 |
| 512 ATP synthase F0 subunit 6 (RefSeq aa 8e-74) 5835393 | 0 | 0.00% | 9 | 0.05% | 0 | 0.00% | 0 | 0.00% | 9 |
| 513 protein phosphatase 2A catalytic subunit-beta M60484 | 3 | 0.02% | 1 | 0.01% | 4 | 0.03% | 1 | 0.01% | 9 |
| 514 semaphorin E AB000220 | 0 | 0.00% | 2 | 0.01% | 3 | 0.02% | 4 | 0.03% | 9 |
| 515 HSPC061 AF161546.1 | 0 | 0.00% | 7 | 0.04% | 0 | 0.00% | 2 | 0.01% | 9 |
| 516 heterogeneous nuclear ribonucleoprotein A2/B1 NM_002137.1 | 3 | 0.02% | 5 | 0.03% | 0 | 0.00% | 0 | 0.00% | 8 |
| 517 zinc finger protein 9 (a cellular retroviral nucleic gi4827070 | 1 | 0.01% | 3 | 0.02% | 0 | 0.00% | 4 | 0.03% | 8 |
| 518 HepG2 D17039 | 2 | 0.01% | 0 | 0.00% | 4 | 0.03% | 2 | 0.01% | 8 |
| 519 laminin B2 chain M55210 | 1 | 0.01% | 4 | 0.02% | 2 | 0.02% | 1 | 0.01% | 8 |

| | | | | | | | | | | | |
|-----|---|----------------|---|-------|---|-------|---|-------|---|-------|---|
| 520 | matrix metalloproteinase 3 (stromelysin 1, proge | NM_002422.1 | 0 | 0.00% | 7 | 0.04% | 0 | 0.00% | 1 | 0.01% | 8 |
| 521 | MRG15 protein (MRG15) | AF100615.1 | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 6 | 0.04% | 8 |
| 522 | HSPC025 (HSPC025) | NM_016091.1 | 0 | 0.00% | 5 | 0.03% | 2 | 0.02% | 1 | 0.01% | 8 |
| 523 | RGC32 protein (RGC32) | NM_014059.1 | 0 | 0.00% | 2 | 0.01% | 4 | 0.03% | 2 | 0.01% | 8 |
| 524 | NADH-ubiquinone oxidoreductase AGGG subun | AF067166.1 | 4 | 0.03% | 0 | 0.00% | 1 | 0.01% | 3 | 0.02% | 8 |
| 525 | ubiquitin gene | U49869 | 3 | 0.02% | 1 | 0.01% | 1 | 0.01% | 3 | 0.02% | 8 |
| 526 | karyopherin alpha 4 (=importin alpha 3) (KPNA4 | NM_002268.1 | 2 | 0.01% | 2 | 0.01% | 2 | 0.02% | 2 | 0.01% | 8 |
| 527 | DEAD-box protein (BAT1) gene | AF029062.1 | 8 | 0.06% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 8 |
| 528 | glutamyl-tRNA synthetase(QARS) | NM_005051.1 | 8 | 0.06% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 8 |
| 529 | GOLGI 4-TRANSMEMBRANE SPANNING TRA | spQ15012 | 1 | 0.01% | 0 | 0.00% | 4 | 0.03% | 3 | 0.02% | 8 |
| 530 | high-mobility group (nonhistone chromosomal) p | NM_005517.1 | 6 | 0.04% | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 8 |
| 531 | tumor neCRosis factor-inducible (TSG-6) | M31165 | 0 | 0.00% | 0 | 0.00% | 4 | 0.03% | 4 | 0.03% | 8 |
| 532 | antigen NY-CO-33 (NY-CO-33) | AF039698.1 | 8 | 0.06% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 8 |
| 533 | anti-oxidant protein 2 (non-selenium glutathione | NM_004905.1 | 4 | 0.03% | 2 | 0.01% | 0 | 0.00% | 2 | 0.01% | 8 |
| 534 | constitutive fragile region FRA3B | AF152363.1 | 0 | 0.00% | 3 | 0.02% | 2 | 0.02% | 3 | 0.02% | 8 |
| 535 | KIAA0242 | D87684 | 1 | 0.01% | 3 | 0.02% | 4 | 0.03% | 0 | 0.00% | 8 |
| 536 | KIAA0663 | AB014563 | 1 | 0.01% | 2 | 0.01% | 1 | 0.01% | 4 | 0.03% | 8 |
| 537 | UDP-glucose pyrophosphorylase 2 (ORF) | NM_006759.1 | 1 | 0.01% | 1 | 0.01% | 4 | 0.03% | 2 | 0.01% | 8 |
| 538 | palmitoyl-protein thioesterase (PPT) | AF022211 | 1 | 0.01% | 2 | 0.01% | 1 | 0.01% | 4 | 0.03% | 8 |
| 539 | N-acylsphingosine amidohydrolase (ASAH) (acir | NM_004315.1 | 0 | 0.00% | 3 | 0.02% | 1 | 0.01% | 4 | 0.03% | 8 |
| 540 | prostatic binding protein (PBP) | NM_002567.1 | 3 | 0.02% | 3 | 0.02% | 1 | 0.01% | 1 | 0.01% | 8 |
| 541 | CYTOCHROME C OXIDASE POLYPEPTIDE II | spP00403 | 2 | 0.01% | 2 | 0.01% | 1 | 0.01% | 3 | 0.02% | 8 |
| 542 | ornithine aminotransferase | M29927 | 3 | 0.02% | 2 | 0.01% | 1 | 0.01% | 2 | 0.01% | 8 |
| 543 | basic transcription element binding protein 1 (BT | NM_001206.1 | 0 | 0.00% | 7 | 0.04% | 1 | 0.01% | 0 | 0.00% | 8 |
| 544 | Huntingtin interacting protein | AF049103 | 4 | 0.03% | 3 | 0.02% | 0 | 0.00% | 1 | 0.01% | 8 |
| 545 | thyroid hormone binding protein (p55) (=M22806 | J02783 | 6 | 0.04% | 0 | 0.00% | 0 | 0.00% | 2 | 0.01% | 8 |
| 546 | ISLR (immunoglobulin superfamily containing lei | AB024537 | 5 | 0.04% | 1 | 0.01% | 0 | 0.00% | 2 | 0.01% | 8 |
| 547 | biglycan BGN | U11686.1 | 2 | 0.01% | 1 | 0.01% | 1 | 0.01% | 4 | 0.03% | 8 |
| 548 | PPP1R5 | AF110824.1 | 1 | 0.01% | 3 | 0.02% | 3 | 0.02% | 1 | 0.01% | 8 |
| 549 | MADS/MEF2-family transcription factor (MEF2C | L08895.1 | 1 | 0.01% | 7 | 0.04% | 0 | 0.00% | 0 | 0.00% | 8 |
| 550 | RAN binding protein 2 (RANBP2) | NM_006267.2 | 0 | 0.00% | 3 | 0.02% | 0 | 0.00% | 5 | 0.04% | 8 |
| 551 | insulin-like growth factor I | X57025 | 0 | 0.00% | 5 | 0.03% | 2 | 0.02% | 1 | 0.01% | 8 |
| 552 | single-stranded DNA-binding protein (SSBP), nu | NM_003143.1 | 0 | 0.00% | 1 | 0.01% | 3 | 0.02% | 4 | 0.03% | 8 |
| 553 | Nck-associated protein 1 (Nap1) (=AB011159 KI | AB014509.1 | 0 | 0.00% | 1 | 0.01% | 5 | 0.04% | 2 | 0.01% | 8 |
| 554 | cisplatin resistance-associated overexpressed p | AB034205.1 | 0 | 0.00% | 4 | 0.02% | 1 | 0.01% | 3 | 0.02% | 8 |
| 555 | dihydropyrimidinase-like 3 (DPYSL3) | NM_001387.1 | 0 | 0.00% | 2 | 0.01% | 1 | 0.01% | 5 | 0.04% | 8 |
| 556 | KIAA0102 | D14658 | 1 | 0.01% | 2 | 0.01% | 1 | 0.01% | 4 | 0.03% | 8 |
| 557 | KIAA0191 (zinc finger homolog) | D83776 | 0 | 0.00% | 3 | 0.02% | 4 | 0.03% | 1 | 0.01% | 8 |
| 558 | NADH dehydrogenase (ubiquinone) 1 alpha sub | NM_005000.1 | 1 | 0.01% | 2 | 0.01% | 2 | 0.02% | 3 | 0.02% | 8 |
| 559 | proteasome (prosome, macropain) 26Ssubunit, r | NP_002793.1 | 0 | 0.00% | 8 | 0.05% | 0 | 0.00% | 0 | 0.00% | 8 |
| 560 | lysosomal-associated protein transmembrane 4 | NM_014713.1 | 0 | 0.00% | 7 | 0.04% | 0 | 0.00% | 1 | 0.01% | 8 |
| 561 | adaptor-related protein complex 3, sigma 1 sub | NM_001284.1 | 2 | 0.01% | 3 | 0.02% | 0 | 0.00% | 3 | 0.02% | 8 |
| 562 | nidogen-2 | AJ223500 | 3 | 0.02% | 3 | 0.02% | 0 | 0.00% | 2 | 0.01% | 8 |
| 563 | melanoma growth regulatory protein MIA | X75450 | 4 | 0.03% | 4 | 0.02% | 0 | 0.00% | 0 | 0.00% | 8 |
| 564 | Arp2/3 protein complex subunit p16 (ARC16) =A | NM_005717.1 | 3 | 0.02% | 1 | 0.01% | 1 | 0.01% | 3 | 0.02% | 8 |
| 565 | Kallmann syndrome 1 (KAL1) (=ADMLX=putativ | NM_000216.1 | 0 | 0.00% | 2 | 0.01% | 5 | 0.04% | 1 | 0.01% | 8 |
| 566 | apoptosis related protein APR-1 | AF143235.2 | 2 | 0.01% | 2 | 0.01% | 2 | 0.02% | 2 | 0.01% | 8 |
| 567 | TRAM protein | CAA45218.1 | 1 | 0.01% | 4 | 0.02% | 0 | 0.00% | 3 | 0.02% | 8 |
| 568 | 1-8U gene from interferon-inducible gene family | X57352.1 | 6 | 0.04% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 8 |
| 569 | splicing factor SRp40-1 (SRp40) | U30826.1 | 0 | 0.00% | 4 | 0.02% | 3 | 0.02% | 1 | 0.01% | 8 |
| 570 | ORF2 contains a reverse transcriptase domain | AAA51622.1 | 0 | 0.00% | 5 | 0.03% | 1 | 0.01% | 2 | 0.01% | 8 |
| 571 | ORF2 contains a reverse transcriptase domain | AAB59368.1 | 0 | 0.00% | 5 | 0.03% | 1 | 0.01% | 2 | 0.01% | 8 |
| 572 | splicing factor, arginine/serine-rich 5 (RefSeq | aa NP_008856.1 | 0 | 0.00% | 4 | 0.02% | 3 | 0.02% | 1 | 0.01% | 8 |
| 573 | REIC/Dkk-3 | AB034203.1 | 0 | 0.00% | 7 | 0.04% | 0 | 0.00% | 1 | 0.01% | 8 |
| 574 | Golgi autoantigen, golgin subfamily a, 4 (GOLG | NM_002078.2 | 0 | 0.00% | 1 | 0.01% | 3 | 0.02% | 3 | 0.02% | 7 |
| 575 | complement component 1, s subcomponent (C1 | NM_001734.1 | 0 | 0.00% | 5 | 0.03% | 1 | 0.01% | 1 | 0.01% | 7 |
| 576 | reticulocalbin 2, EF-hand calcium binding domai | NM_002902.1 | 3 | 0.02% | 2 | 0.01% | 0 | 0.00% | 2 | 0.01% | 7 |
| 577 | Eukaryotic translation initiation factor 2, subunit | NM_003908.1 | 2 | 0.01% | 1 | 0.01% | 1 | 0.01% | 3 | 0.02% | 7 |

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|-----|---|-------------|---|-------|---|-------|---|-------|---|-------|---|
| 578 | 5' nucleotidase (EC 3.1.3.5) | X55740 | 0 | 0.00% | 0 | 0.00% | 3 | 0.02% | 4 | 0.03% | 7 |
| 579 | interferon induced transmembrane protein 1 (9-2 NM_003641.1 | | 0 | 0.00% | 6 | 0.03% | 0 | 0.00% | 1 | 0.01% | 7 |
| 580 | transforming, acidic coiled-coil containing protein NM_006283.1 | | 1 | 0.01% | 3 | 0.02% | 1 | 0.01% | 2 | 0.01% | 7 |
| 581 | fau | X65923 | 7 | 0.05% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 7 |
| 582 | KIAA0372 | AB002370.1 | 2 | 0.01% | 3 | 0.02% | 0 | 0.00% | 2 | 0.01% | 7 |
| 583 | MEK binding partner 1 | AF201947.1 | 0 | 0.00% | 4 | 0.02% | 0 | 0.00% | 3 | 0.02% | 7 |
| 584 | stearoyl-CoA desaturase | AB032261.1 | 3 | 0.02% | 0 | 0.00% | 4 | 0.03% | 0 | 0.00% | 7 |
| 585 | protein immuno-reactive with anti-PTH polyclonal | U28831.1 | 0 | 0.00% | 2 | 0.01% | 4 | 0.03% | 1 | 0.01% | 7 |
| 586 | AgX-1 antigen | S73498 | 0 | 0.00% | 0 | 0.00% | 3 | 0.02% | 4 | 0.03% | 7 |
| 587 | erythrocyte membrane protein band 4.1-like 2 (E NM_001431.1 | | 0 | 0.00% | 4 | 0.02% | 3 | 0.02% | 0 | 0.00% | 7 |
| 588 | valosin-containing protein(VCP) | NM_007126.2 | 3 | 0.02% | 3 | 0.02% | 1 | 0.01% | 0 | 0.00% | 7 |
| 589 | clathrin, light polypeptide (Lca) (CLTA) | NM_007096.1 | 1 | 0.01% | 3 | 0.02% | 2 | 0.02% | 1 | 0.01% | 7 |
| 590 | spectrin SH3 domain binding protein 1 (SSH3BF NM_005470.1 | | 0 | 0.00% | 1 | 0.01% | 3 | 0.02% | 3 | 0.02% | 7 |
| 591 | dual specificity phosphatase 1 (DUSP1) | NM_004417.2 | 1 | 0.01% | 4 | 0.02% | 1 | 0.01% | 1 | 0.01% | 7 |
| 592 | p75NTR-associated cell death executor (NADE) | AF187064.1 | 3 | 0.02% | 0 | 0.00% | 1 | 0.01% | 3 | 0.02% | 7 |
| 593 | GW128 | AF107406 | 1 | 0.01% | 2 | 0.01% | 1 | 0.01% | 3 | 0.02% | 7 |
| 594 | HSPC194 | AF151028.1 | 2 | 0.01% | 2 | 0.01% | 0 | 0.00% | 3 | 0.02% | 7 |
| 595 | HSPC238 | AF151072.1 | 0 | 0.00% | 1 | 0.01% | 4 | 0.03% | 2 | 0.01% | 7 |
| 596 | IDN3 | AB019494.1 | 0 | 0.00% | 4 | 0.02% | 2 | 0.02% | 1 | 0.01% | 7 |
| 597 | KIAA0069 gene | D31885.1 | 1 | 0.01% | 3 | 0.02% | 2 | 0.02% | 1 | 0.01% | 7 |
| 598 | KIAA0143 gene | D63477.1 | 3 | 0.02% | 2 | 0.01% | 1 | 0.01% | 1 | 0.01% | 7 |
| 599 | KIAA0332 | AB002330 | 1 | 0.01% | 1 | 0.01% | 3 | 0.02% | 2 | 0.01% | 7 |
| 600 | non-metastatic cells 2, protein (NM23B) express | NM_002512.1 | 4 | 0.03% | 1 | 0.01% | 1 | 0.01% | 1 | 0.01% | 7 |
| 601 | over-expressed breast tumor protein | L34839 | 1 | 0.01% | 4 | 0.02% | 2 | 0.02% | 0 | 0.00% | 7 |
| 602 | PRO0530 | AF111849.1 | 1 | 0.01% | 0 | 0.00% | 2 | 0.02% | 4 | 0.03% | 7 |
| 603 | PTD010 | AF078863.1 | 2 | 0.01% | 0 | 0.00% | 3 | 0.02% | 2 | 0.01% | 7 |
| 604 | glyoxalase-I (GLO1) | AF146651.1 | 0 | 0.00% | 2 | 0.01% | 3 | 0.02% | 2 | 0.01% | 7 |
| 605 | high density lipoprotein binding protein (HBP) | M64098 | 5 | 0.04% | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 7 |
| 606 | eukaryotic translation initiation factor 3, subunit : gi4503514 | | 3 | 0.02% | 1 | 0.01% | 0 | 0.00% | 3 | 0.02% | 7 |
| 607 | cathepsin L (CTSL) | NM_001912.1 | 1 | 0.01% | 4 | 0.02% | 1 | 0.01% | 1 | 0.01% | 7 |
| 608 | sorting nexin 6 (SNX6) | AF121856.1 | 0 | 0.00% | 3 | 0.02% | 2 | 0.02% | 2 | 0.01% | 7 |
| 609 | KDEL (Lys-Asp-Glu-Leu) endoplasmic reticulum | NM_006854.2 | 2 | 0.01% | 2 | 0.01% | 1 | 0.01% | 2 | 0.01% | 7 |
| 610 | nuclear factor of kappa light polypeptide gene er | AF213884.1 | 1 | 0.01% | 6 | 0.03% | 0 | 0.00% | 0 | 0.00% | 7 |
| 611 | transcriptional coactivator PC4 | U12979 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 7 | 0.05% | 7 |
| 612 | poly(rC)-binding protein 1 (PCBP1) | NM_006196.1 | 2 | 0.01% | 2 | 0.01% | 1 | 0.01% | 2 | 0.01% | 7 |
| 613 | Ia-associated invariant gamma-chain gene | M13560 | 0 | 0.00% | 4 | 0.02% | 1 | 0.01% | 2 | 0.01% | 7 |
| 614 | immunoglobulin lambda gene | D87003.1 | 2 | 0.01% | 2 | 0.01% | 2 | 0.02% | 1 | 0.01% | 7 |
| 615 | uncharacterized bone marrow protein BM034 (= AF217511.1 | | 1 | 0.01% | 3 | 0.02% | 1 | 0.01% | 2 | 0.01% | 7 |
| 616 | small membrane protein 1 (SMP1) | AF081282 | 2 | 0.01% | 0 | 0.00% | 2 | 0.02% | 3 | 0.02% | 7 |
| 617 | chondroitin sulfate proteoglycan 2 (versican) (C NM_004385.1 | | 1 | 0.01% | 4 | 0.02% | 2 | 0.02% | 0 | 0.00% | 7 |
| 618 | dermatan sulfate proteoglycan 3 (DSPG3) | U59111 | 7 | 0.05% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 7 |
| 619 | stromal cell derived factor receptor 1 (SDFR1) | NM_012428.1 | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 5 | 0.04% | 7 |
| 620 | ras-related GTP-binding protein | AF106681.1 | 1 | 0.01% | 1 | 0.01% | 3 | 0.02% | 2 | 0.01% | 7 |
| 621 | cytosolic thyroid hormone-binding protein (=M23 M26252 | | 5 | 0.04% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 7 |
| 622 | SLC11A3 iron transporter | AF215636.1 | 1 | 0.01% | 2 | 0.01% | 1 | 0.01% | 3 | 0.02% | 7 |
| 623 | syntaxin 8 | AAD20831.1 | 0 | 0.00% | 4 | 0.02% | 3 | 0.02% | 0 | 0.00% | 7 |
| 624 | vascular cell adhesion molecule 1 (VCAM1) | M30257 | 0 | 0.00% | 2 | 0.01% | 1 | 0.01% | 4 | 0.03% | 7 |
| 625 | GTP-binding protein Sara | AF092130.1 | 1 | 0.01% | 0 | 0.00% | 3 | 0.02% | 3 | 0.02% | 7 |
| 626 | interCRine-alpha (hIRH) | U19495 | 4 | 0.03% | 3 | 0.02% | 0 | 0.00% | 0 | 0.00% | 7 |
| 627 | line-1 protein ORF2 (=p150) | B28096 | 0 | 0.00% | 3 | 0.02% | 1 | 0.01% | 3 | 0.02% | 7 |
| 628 | small acidic protein | U51678 | 0 | 0.00% | 1 | 0.01% | 2 | 0.02% | 4 | 0.03% | 7 |
| 629 | small EDRK-rich factor 2 (SERF2) | NM_005770.1 | 4 | 0.03% | 2 | 0.01% | 1 | 0.01% | 0 | 0.00% | 7 |
| 630 | ATP SYNTHASE E CHAIN, MITOCHONDRIAL | spP56385 | 1 | 0.01% | 0 | 0.00% | 2 | 0.02% | 4 | 0.03% | 7 |
| 631 | ubiquitin-conjugating enzyme E2 variant 1 (UBE NM_003349.1 | | 1 | 0.01% | 4 | 0.02% | 0 | 0.00% | 2 | 0.01% | 7 |
| 632 | zinc finger protein SLUG (SLUG) gene | AF084243.1 | 3 | 0.02% | 1 | 0.01% | 1 | 0.01% | 2 | 0.01% | 7 |
| 633 | RNA binding motif protein 8B (RBM8B) | AF231512.1 | 0 | 0.00% | 5 | 0.03% | 0 | 0.00% | 2 | 0.01% | 7 |
| 634 | CGI-149 protein | AF151907.1 | 2 | 0.01% | 1 | 0.01% | 4 | 0.03% | 0 | 0.00% | 7 |
| 635 | elastin (ELN) | U62292 | 7 | 0.05% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 7 |

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|-----|--|---------------|---|-------|---|-------|---|-------|---|-------|---|
| 636 | non-histone chromosomal protein (HMG-1) | L08048.1 | 1 | 0.01% | 1 | 0.01% | 3 | 0.02% | 2 | 0.01% | 7 |
| 637 | KIAA0038 gene | D26068.1 | 3 | 0.02% | 1 | 0.01% | 2 | 0.02% | 1 | 0.01% | 7 |
| 638 | NADH dehydrogenase (ubiquinone) 1 beta subo | NM_005004.1 | 2 | 0.01% | 2 | 0.01% | 0 | 0.00% | 3 | 0.02% | 7 |
| 639 | esterase D | AF112219 | 1 | 0.01% | 2 | 0.01% | 1 | 0.01% | 3 | 0.02% | 7 |
| 640 | lost on transformation LOT1 (=PLAGL1) | U72621.2 | 1 | 0.01% | 0 | 0.00% | 2 | 0.02% | 4 | 0.03% | 7 |
| 641 | N2A3 (=DPYSL2) (=dihydropyrimidinase related | U97105 | 1 | 0.01% | 0 | 0.00% | 2 | 0.02% | 4 | 0.03% | 7 |
| 642 | SON DNA binding protein (SON) | X63753 | 2 | 0.01% | 0 | 0.00% | 3 | 0.02% | 2 | 0.01% | 7 |
| 643 | polyposis locus (DP1 gene) | M73547 | 1 | 0.01% | 0 | 0.00% | 4 | 0.03% | 2 | 0.01% | 7 |
| 644 | LENG7 mRNA, (=PRO2003 mRNA)(= elongation | AF211972.1 | 0 | 0.00% | 7 | 0.04% | 0 | 0.00% | 0 | 0.00% | 7 |
| 645 | matrilin 1, cartilage matrix protein (MATN1) | NM_002379.2 | 7 | 0.05% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 7 |
| 646 | NADH dehydrogenase (ubiquinone) 1 beta subo | NM_004545.1 | 0 | 0.00% | 4 | 0.02% | 1 | 0.01% | 1 | 0.01% | 6 |
| 647 | proteasome (prosome, maCRopain) subunit, bet | NM_002793.1 | 0 | 0.00% | 0 | 0.00% | 4 | 0.03% | 2 | 0.01% | 6 |
| 648 | Deleted in oral cancer-1 (DOC1) | NM_004642.1 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 4 | 0.03% | 6 |
| 649 | cyclophilin-related protein (NKTR) gene (=PAC | FAF184110.1 | 2 | 0.01% | 2 | 0.01% | 1 | 0.01% | 1 | 0.01% | 6 |
| 650 | NADH-UBIQUINONE OXIDOREDUCTASE CHA | spP03886 | 0 | 0.00% | 2 | 0.01% | 3 | 0.02% | 1 | 0.01% | 6 |
| 651 | myristoylated alanine-rich C-kinase substrate (=I | M68956 | 3 | 0.02% | 2 | 0.01% | 0 | 0.00% | 1 | 0.01% | 6 |
| 652 | signal recognition particle subunit 9 (SRP9) | U20998 | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 4 | 0.03% | 6 |
| 653 | heterogeneous nuclear ribonucleoprotein C (C1/ | NM_004500.1 | 5 | 0.04% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 6 |
| 654 | laminin, alpha 4 (LAMA4) | NM_002290.1 | 3 | 0.02% | 2 | 0.01% | 1 | 0.01% | 0 | 0.00% | 6 |
| 655 | DRP-2 dihydropyrimidinase related protein 2 | AB020777.1 | 1 | 0.01% | 2 | 0.01% | 0 | 0.00% | 3 | 0.02% | 6 |
| 656 | HSPC307 | AF161425.1 | 0 | 0.00% | 2 | 0.01% | 3 | 0.02% | 1 | 0.01% | 6 |
| 657 | progesterone binding protein (HPR6.6) | gi5729874 | 2 | 0.01% | 0 | 0.00% | 2 | 0.02% | 2 | 0.01% | 6 |
| 658 | inositol 1,4,5-triphosphate receptor, type 2 (ITPF | NM_002223.1 | 0 | 0.00% | 2 | 0.01% | 1 | 0.01% | 3 | 0.02% | 6 |
| 659 | ubiquinol-cytochrome c reductase hinge protein | NM_006004.1 | 2 | 0.01% | 3 | 0.02% | 1 | 0.01% | 0 | 0.00% | 6 |
| 660 | eukaryotic translation initiation factor 4A, isoform | NM_001967.2 | 0 | 0.00% | 5 | 0.03% | 0 | 0.00% | 1 | 0.01% | 6 |
| 661 | proteasome subunit HC9 | D00763 | 2 | 0.01% | 0 | 0.00% | 2 | 0.02% | 2 | 0.01% | 6 |
| 662 | basic transCRiption factor 2 p44 (btf2p44) gene, | U80017.1 | 2 | 0.01% | 1 | 0.01% | 1 | 0.01% | 2 | 0.01% | 6 |
| 663 | U50HG genes for U50' snoRNA and U50 snoRNA | AB017710 | 3 | 0.02% | 1 | 0.01% | 1 | 0.01% | 1 | 0.01% | 6 |
| 664 | alpha-2 globin (HBA1) | AF097635 | 6 | 0.04% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 6 |
| 665 | RAD21 (S. pombe) homolog (RAD21) (=X98294 | gi5453993 | 3 | 0.02% | 1 | 0.01% | 1 | 0.01% | 1 | 0.01% | 6 |
| 666 | GDP dissociation inhibitor 2 (GDI2) | NM_001494.2 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 4 | 0.03% | 6 |
| 667 | disabled 2 p93 (DAB2) (mitogen-responsive pho | AF188298.1 | 0 | 0.00% | 3 | 0.02% | 2 | 0.02% | 1 | 0.01% | 6 |
| 668 | KIAA1074 | AB028997.1 | 0 | 0.00% | 3 | 0.02% | 3 | 0.02% | 0 | 0.00% | 6 |
| 669 | myeloid/lymphoid or mixed-lineage leukemia (trit | NM_005935.1 | 0 | 0.00% | 4 | 0.02% | 1 | 0.01% | 1 | 0.01% | 6 |
| 670 | N-terminal acetyltransferase complex ard1 subu | AF085355.1 | 0 | 0.00% | 1 | 0.01% | 3 | 0.02% | 2 | 0.01% | 6 |
| 671 | PRO1873 | AF119859.1 | 1 | 0.01% | 5 | 0.03% | 0 | 0.00% | 0 | 0.00% | 6 |
| 672 | CMP-N-acetylneuraminic acid hydroxylase | AF074480.1 | 0 | 0.00% | 1 | 0.01% | 3 | 0.02% | 2 | 0.01% | 6 |
| 673 | somatic cytochrome c (HCS) gene | M22877.1 | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 4 | 0.03% | 6 |
| 674 | chaperonin containing T-complex subunit 6 (CC | NM_001762.1 | 2 | 0.01% | 2 | 0.01% | 0 | 0.00% | 2 | 0.01% | 6 |
| 675 | C2H2 zinc finger protein (ZNF189) | AF025772.1 | 0 | 0.00% | 0 | 0.00% | 3 | 0.02% | 3 | 0.02% | 6 |
| 676 | homeobox protein CDX4 (CDX4) gene | AF003530.1 | 0 | 0.00% | 3 | 0.02% | 1 | 0.01% | 2 | 0.01% | 6 |
| 677 | immunoglobulin light chain | D87000 | 2 | 0.01% | 0 | 0.00% | 3 | 0.02% | 1 | 0.01% | 6 |
| 678 | antioxidant protein 1 (AOP1) (=peroxiredoxin 3 | (INM_006793.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 5 | 0.04% | 6 |
| 679 | lysosomal-associated membrane glycoprotein-1 | L08582 | 1 | 0.01% | 1 | 0.01% | 3 | 0.02% | 1 | 0.01% | 6 |
| 680 | glutaredoxin | X76648.1 | 0 | 0.00% | 1 | 0.01% | 2 | 0.02% | 3 | 0.02% | 6 |
| 681 | comichon protein | AF070654.1 | 1 | 0.01% | 1 | 0.01% | 3 | 0.02% | 1 | 0.01% | 6 |
| 682 | dermatopontin | Z22865 | 0 | 0.00% | 2 | 0.01% | 2 | 0.02% | 2 | 0.01% | 6 |
| 683 | myosin, light polypeptide 1, alkali; skeletal, fast | (NM_002475.1 | 2 | 0.01% | 4 | 0.02% | 0 | 0.00% | 0 | 0.00% | 6 |
| 684 | CD36 antigen | L06850.1 | 2 | 0.01% | 1 | 0.01% | 2 | 0.02% | 1 | 0.01% | 6 |
| 685 | guanine nucleotide binding protein 11 (GNG11): | NM_004126.1 | 0 | 0.00% | 3 | 0.02% | 2 | 0.02% | 1 | 0.01% | 6 |
| 686 | vascular endothelial growth factor (VEGF) | AF024710.1 | 3 | 0.02% | 2 | 0.01% | 0 | 0.00% | 1 | 0.01% | 6 |
| 687 | integrin alpha 10 subunit (ITGA10) | AF112345.1 | 1 | 0.01% | 4 | 0.02% | 0 | 0.00% | 1 | 0.01% | 6 |
| 688 | HIC protein | AF054589 | 0 | 0.00% | 0 | 0.00% | 2 | 0.02% | 4 | 0.03% | 6 |
| 689 | KIAA0187 gene | NM_014753.1 | 0 | 0.00% | 5 | 0.03% | 0 | 0.00% | 1 | 0.01% | 6 |
| 690 | KIAA0436 | AB007896 | 2 | 0.01% | 1 | 0.01% | 2 | 0.02% | 1 | 0.01% | 6 |
| 691 | KIAA0530 | AB011102 | 1 | 0.01% | 2 | 0.01% | 1 | 0.01% | 2 | 0.01% | 6 |
| 692 | KIAA0569 | AB011141 | 0 | 0.00% | 1 | 0.01% | 2 | 0.02% | 3 | 0.02% | 6 |
| 693 | KIAA0766 | AB018309.1 | 1 | 0.01% | 1 | 0.01% | 2 | 0.02% | 2 | 0.01% | 6 |

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|---|-------------|---------|---------|---------|---------|---|
| 694 KIAA0942 protein (KIAA0942) | NM_015310.1 | 0 0.00% | 1 0.01% | 2 0.02% | 3 0.02% | 6 |
| 695 Pcp-2=Purkinje cell protein 2 | S40022 | 0 0.00% | 0 0.00% | 1 0.01% | 5 0.04% | 6 |
| 696 PRO1073 | AF113016 | 0 0.00% | 1 0.01% | 5 0.04% | 0 0.00% | 6 |
| 697 PRO2640 | AF116710.1 | 6 0.04% | 0 0.00% | 0 0.00% | 0 0.00% | 6 |
| 698 SON protein | AF193606 | 0 0.00% | 0 0.00% | 3 0.02% | 3 0.02% | 6 |
| 699 protein tyrosine phosphatase type IVA, member | NM_003479.1 | 0 0.00% | 2 0.01% | 0 0.00% | 4 0.03% | 6 |
| 700 low density lipoprotein receptor | L00352 | 2 0.01% | 2 0.01% | 2 0.02% | 0 0.00% | 6 |
| 701 ATP SYNTHASE GAMMA CHAIN, MITOCHON | spP36542 | 1 0.01% | 0 0.00% | 4 0.03% | 1 0.01% | 6 |
| 702 cytochrome c oxidase subunit VIII (COX8) | J04823 | 6 0.04% | 0 0.00% | 0 0.00% | 0 0.00% | 6 |
| 703 leucine aminopeptidase | AF061738 | 0 0.00% | 2 0.01% | 0 0.00% | 4 0.03% | 6 |
| 704 calpastatin | D50827 | 1 0.01% | 0 0.00% | 1 0.01% | 4 0.03% | 6 |
| 705 threonyl-tRNA synthetase (TARS) | NM_003191.1 | 0 0.00% | 1 0.01% | 0 0.00% | 5 0.04% | 6 |
| 706 ribosomal protein L33-like protein | AF047440 | 1 0.01% | 2 0.01% | 1 0.01% | 2 0.01% | 6 |
| 707 chaperonin containing TCP1 subunit 4 (delta) (C | NM_006430.1 | 2 0.01% | 2 0.01% | 1 0.01% | 1 0.01% | 6 |
| 708 Finkel-Biskis-Reilly murine sarcoma virus (FBR-I | NM_001997.1 | 5 0.04% | 1 0.01% | 0 0.00% | 0 0.00% | 6 |
| 709 Id-2H | D13891 | 1 0.01% | 1 0.01% | 2 0.02% | 2 0.01% | 6 |
| 710 shox gene | U82668 | 5 0.04% | 1 0.01% | 0 0.00% | 0 0.00% | 6 |
| 711 SOX4 | AF124147.1 | 0 0.00% | 3 0.02% | 1 0.01% | 2 0.01% | 6 |
| 712 transcription factor (CBFB) | L20298 | 1 0.01% | 1 0.01% | 0 0.00% | 4 0.03% | 6 |
| 713 poly(rC)-binding protein 2 (PCBP2) | NM_005016.1 | 1 0.01% | 5 0.03% | 0 0.00% | 0 0.00% | 6 |
| 714 RNA-binding protein regulatory subunit | AF021819 | 3 0.02% | 2 0.01% | 0 0.00% | 1 0.01% | 6 |
| 715 Membrane cofactor protein | X59408.1 | 1 0.01% | 3 0.02% | 1 0.01% | 1 0.01% | 6 |
| 716 catalase | X04076 | 0 0.00% | 1 0.01% | 4 0.03% | 1 0.01% | 6 |
| 717 complement C1r | M14058 | 1 0.01% | 0 0.00% | 0 0.00% | 5 0.04% | 6 |
| 718 glutathione peroxidase 3 (plasma) (GPX3) | NM_002084.2 | 0 0.00% | 6 0.03% | 0 0.00% | 0 0.00% | 6 |
| 719 synaptophysin-like protein (SYPL) | gi5803184 | 1 0.01% | 2 0.01% | 0 0.00% | 3 0.02% | 6 |
| 720 CGI-07 protein | AF132941.1 | 0 0.00% | 2 0.01% | 2 0.02% | 2 0.01% | 6 |
| 721 CGI-148 protein | AF151906 | 0 0.00% | 0 0.00% | 2 0.02% | 4 0.03% | 6 |
| 722 filamin (FLNB) | AF191633.1 | 4 0.03% | 1 0.01% | 1 0.01% | 0 0.00% | 6 |
| 723 chondroadherin (CHAD) | U96769 | 4 0.03% | 2 0.01% | 0 0.00% | 0 0.00% | 6 |
| 724 nonmuscle myosin heavy chain-B (MYH10) | M69181 | 5 0.04% | 0 0.00% | 0 0.00% | 1 0.01% | 6 |
| 725 conserved gene amplified in osteosarcoma (OS | NM_005730.1 | 1 0.01% | 2 0.01% | 2 0.02% | 1 0.01% | 6 |
| 726 signal sequence receptor, gamma (translocon-a | NM_007107.1 | 1 0.01% | 4 0.02% | 0 0.00% | 1 0.01% | 6 |
| 727 okadaic acid-inducible and cAMP-regulated phos | AF084555.1 | 2 0.01% | 0 0.00% | 3 0.02% | 1 0.01% | 6 |
| 728 SH3 domain-containing protein SH3P18 | U61167 | 2 0.01% | 0 0.00% | 3 0.02% | 1 0.01% | 6 |
| 729 transformer-2 alpha (htra-2 alpha) | U53209.1 | 3 0.02% | 1 0.01% | 0 0.00% | 2 0.01% | 6 |
| 730 cullin 4A (CUL4A) | AF077188.1 | 0 0.00% | 1 0.01% | 2 0.02% | 3 0.02% | 6 |
| 731 dendritic cell protein (GA17)= AF064603 GA17 | NM_006360.1 | 0 0.00% | 6 0.03% | 0 0.00% | 0 0.00% | 6 |
| 732 voltage-dependent anion channel (VDAC1) | AF151097.1 | 0 0.00% | 1 0.01% | 2 0.02% | 3 0.02% | 6 |
| 733 bullous pemphigoid antigen (BPAG1) | L11690.1 | 0 0.00% | 4 0.02% | 2 0.02% | 0 0.00% | 6 |
| 734 IGSF4 gene | AB017563.1 | 0 0.00% | 0 0.00% | 1 0.01% | 5 0.04% | 6 |
| 735 exportin 1 (CRM1, yeast, homolog) (XPO1)(ORF | NM_003400.1 | 0 0.00% | 1 0.01% | 2 0.02% | 3 0.02% | 6 |
| 736 H3 histone, family 3B (H3.3B) (H3F3B) | NM_005324.1 | 4 0.03% | 1 0.01% | 1 0.01% | 0 0.00% | 6 |
| 737 Histone 4 family, member M (RefSeq aa 7e-53) | NP_003486.1 | 0 0.00% | 6 0.03% | 0 0.00% | 0 0.00% | 6 |
| 738 non-histone chromosome protein 2 (S. cerevisia | NM_005008.1 | 2 0.01% | 3 0.02% | 0 0.00% | 1 0.01% | 6 |
| 739 growth arrest specific transcript 5 gene | AF141346.1 | 2 0.01% | 1 0.01% | 1 0.01% | 2 0.01% | 6 |
| 740 SPHAR gene for cyclin-related protein | X82554.1 | 0 0.00% | 2 0.01% | 1 0.01% | 3 0.02% | 6 |
| 741 H-2K binding factor-2 | D14041 | 0 0.00% | 1 0.01% | 1 0.01% | 4 0.03% | 6 |
| 742 KIAA0349 gene | AB002347.1 | 1 0.01% | 3 0.02% | 1 0.01% | 1 0.01% | 6 |
| 743 KIAA0885 | AB020692.1 | 0 0.00% | 2 0.01% | 0 0.00% | 4 0.03% | 6 |
| 744 KIAA1025 | AB028948.1 | 1 0.01% | 1 0.01% | 3 0.02% | 1 0.01% | 6 |
| 745 LGMD2B | AJ007973 | 1 0.01% | 1 0.01% | 3 0.02% | 1 0.01% | 6 |
| 746 6-phosphofructo-2-kinase/fructose-2,6-bisphosph | AF041832 | 4 0.03% | 1 0.01% | 0 0.00% | 1 0.01% | 6 |
| 747 protein phosphatase 1 catalytic subunit, beta iso | NM_002709.1 | 0 0.00% | 3 0.02% | 1 0.01% | 2 0.01% | 6 |
| 748 mitochondrial 16S rRNA | Z70759 | 2 0.01% | 0 0.00% | 1 0.01% | 3 0.02% | 6 |
| 749 mitochondrial coxII | X55654.1 | 3 0.02% | 0 0.00% | 2 0.02% | 1 0.01% | 6 |
| 750 glutaminase C | AF158555.1 | 0 0.00% | 3 0.02% | 1 0.01% | 2 0.01% | 6 |
| 751 DNA-binding protein A gene | L29073.1 | 1 0.01% | 2 0.01% | 1 0.01% | 2 0.01% | 6 |

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|-----|--|-------------|---|-------|---|-------|---|-------|---|-------|---|
| 752 | general transcription factor 2-I (GTF2I) | AF038968 | 4 | 0.03% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 6 |
| 753 | YME1 (S.cerevisiae)-like 1(YME1L1), = AJ1326 | NM_014263.1 | 1 | 0.01% | 2 | 0.01% | 1 | 0.01% | 2 | 0.01% | 6 |
| 754 | splicing factor, arginine/serine-rich (transformer) | NM_004593.1 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 4 | 0.03% | 6 |
| 755 | LIM and SH3 protein 1 (LASP1) (=X82456 MLN | gi5453709 | 3 | 0.02% | 0 | 0.00% | 1 | 0.01% | 2 | 0.01% | 6 |
| 756 | TGF-beta inducible early protein (TIEG) | U21847 | 1 | 0.01% | 3 | 0.02% | 0 | 0.00% | 2 | 0.01% | 6 |
| 757 | pigment epithelium-derived factor (PEDF) | NM_002615.1 | 6 | 0.04% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 6 |
| 758 | ARP2/3 protein complex subunit 34 (ARC34) | NM_005731.1 | 2 | 0.01% | 1 | 0.01% | 0 | 0.00% | 3 | 0.02% | 6 |
| 759 | high mobility group 2 protein (HMG-2) | M83665 | 2 | 0.01% | 1 | 0.01% | 1 | 0.01% | 2 | 0.01% | 6 |
| 760 | jumping translocation breakpoint (JTB) =AB0164 | NM_006694.1 | 1 | 0.01% | 2 | 0.01% | 0 | 0.00% | 3 | 0.02% | 6 |
| 761 | murine leukemia viral (bmi-1) oncogene homolo | NM_005180.1 | 0 | 0.00% | 2 | 0.01% | 1 | 0.01% | 3 | 0.02% | 6 |
| 762 | 13kDa differentiation-associated protein | AAF17196.1 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 4 | 0.03% | 6 |
| 763 | hypothetical protein Nop10p (RefSeq aa 1e-33) | NP_061118.1 | 0 | 0.00% | 6 | 0.03% | 0 | 0.00% | 0 | 0.00% | 6 |
| 764 | KIAA0103 | D14659 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 4 | 0.03% | 6 |
| 765 | p130 (130K protein) | X76061.1 | 0 | 0.00% | 4 | 0.02% | 1 | 0.01% | 1 | 0.01% | 6 |
| 766 | S1R protein (S1R) (=CGI-119) | AF113127.1 | 0 | 0.00% | 2 | 0.01% | 1 | 0.01% | 3 | 0.02% | 6 |
| 767 | ATP synthase, H transporting, mitochondrial F0 | NM_005175.1 | 0 | 0.00% | 3 | 0.02% | 3 | 0.02% | 0 | 0.00% | 6 |
| 768 | fragile X mental retardation 1 (FMR1) | NM_002024.1 | 1 | 0.01% | 4 | 0.02% | 1 | 0.01% | 0 | 0.00% | 6 |
| 769 | nucleobindin 2 (NUCB2)(NEFA protein) | X76732 | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 4 | 0.03% | 6 |
| 770 | progesterone membrane binding protein (PMBP) | 5453915 | 0 | 0.00% | 1 | 0.01% | 2 | 0.02% | 3 | 0.02% | 6 |
| 771 | melanoma inhibitory | NM_006533.1 | 2 | 0.01% | 4 | 0.02% | 0 | 0.00% | 0 | 0.00% | 6 |
| 772 | KIAA1250 | AB033076.1 | 1 | 0.01% | 0 | 0.00% | 3 | 0.02% | 2 | 0.01% | 6 |
| 773 | ORF2 [Canis familiaris](60%) | AB012223 | 0 | 0.00% | 4 | 0.02% | 1 | 0.01% | 1 | 0.01% | 6 |
| 774 | POLR2K gene for RPB10 alpha | AJ252078.1 | 0 | 0.00% | 3 | 0.02% | 0 | 0.00% | 3 | 0.02% | 6 |
| 775 | cytochrome C oxidase II subunit (ORF) | X55654 | 3 | 0.02% | 0 | 0.00% | 2 | 0.02% | 1 | 0.01% | 6 |
| 776 | karyopherin (importin) beta 1 (KPNB1) (=L38951 | gi4504904 | 3 | 0.02% | 1 | 0.01% | 1 | 0.01% | 1 | 0.01% | 6 |
| 777 | CD59 antigen p18-20 (antigen identified by mon | NM_000611.1 | 1 | 0.01% | 3 | 0.02% | 0 | 0.00% | 2 | 0.01% | 6 |
| 778 | CAR (RFP2) | AF279660 | 2 | 0.01% | 0 | 0.00% | 3 | 0.02% | 1 | 0.01% | 6 |
| 779 | signal peptidase complex (18kD) (SPC18) | NM_014300.1 | 1 | 0.01% | 3 | 0.02% | 1 | 0.01% | 1 | 0.01% | 6 |
| 780 | basic helix-loop-helix domain containing, class E | Hs.171825 | 1 | 0.01% | 1 | 0.01% | 1 | 0.01% | 3 | 0.02% | 6 |
| 781 | 5-aminoimidazole-4-carboxamide ribonucleotide | NM_004044.1 | 1 | 0.01% | 0 | 0.00% | 3 | 0.02% | 2 | 0.01% | 6 |
| 782 | actin, alpha 2, smooth muscle, aorta (ACTA2) (C | NM_001613.1 | 0 | 0.00% | 5 | 0.03% | 0 | 0.00% | 0 | 0.00% | 5 |
| 783 | NADH dehydrogenase(ubiquinone) 1 beta subcc | NM_002491.1 | 1 | 0.01% | 0 | 0.00% | 3 | 0.02% | 1 | 0.01% | 5 |
| 784 | heterogeneous nuclear ribonucleoprotein (hnRN | X12671 | 3 | 0.02% | 0 | 0.00% | 0 | 0.00% | 2 | 0.01% | 5 |
| 785 | eukaryotic translation initiation factor 3, subunit | gi4503508 | 1 | 0.01% | 1 | 0.01% | 1 | 0.01% | 2 | 0.01% | 5 |
| 786 | adenylyl cyclase-associated protein (CAP) | L12168 | 0 | 0.00% | 0 | 0.00% | 3 | 0.02% | 2 | 0.01% | 5 |
| 787 | tetratricopeptide repeat domain 3 (TTC3)(= DCR | NM_003316.1 | 0 | 0.00% | 4 | 0.02% | 0 | 0.00% | 1 | 0.01% | 5 |
| 788 | endothelial differentiation-related factor 1 (EDF1 | NM_003792.1 | 3 | 0.02% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 5 |
| 789 | ATP SYNTHASE A CHAIN (PROTEIN 6)(ORF) | P00846 | 3 | 0.02% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 5 |
| 790 | NADH-ubiquinone oxidoreductase subunit C1-B1 | AF047182 | 2 | 0.01% | 0 | 0.00% | 2 | 0.02% | 1 | 0.01% | 5 |
| 791 | MHC class 1 region | AF055066 | 1 | 0.01% | 2 | 0.01% | 2 | 0.02% | 0 | 0.00% | 5 |
| 792 | plastin 3 (T isoform) (PLS3) | NM_005032.2 | 1 | 0.01% | 2 | 0.01% | 2 | 0.02% | 0 | 0.00% | 5 |
| 793 | hexosaminidase B (beta polypeptide) (HEXB)(O | NM_000521.1 | 0 | 0.00% | 3 | 0.02% | 1 | 0.01% | 1 | 0.01% | 5 |
| 794 | breast cancer associated gene 1 protein (BCG1) | AF128528.1 | 5 | 0.04% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 5 |
| 795 | ornithine decarboxylase antizyme | D87914 | 4 | 0.03% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 5 |
| 796 | enterocyte differentiation associated factor EDAI | U62136.2 | 0 | 0.00% | 0 | 0.00% | 3 | 0.02% | 2 | 0.01% | 5 |
| 797 | four and a half LIM domains 1 (FHL1) | NM_001449.1 | 0 | 0.00% | 3 | 0.02% | 1 | 0.01% | 1 | 0.01% | 5 |
| 798 | translocase of outer mitochondrial membrane 20 | NM_014765.1 | 2 | 0.01% | 2 | 0.01% | 0 | 0.00% | 1 | 0.01% | 5 |
| 799 | mouse tropomyosin homolog (HSPC001) =AF04 | NM_004872.1 | 2 | 0.01% | 0 | 0.00% | 2 | 0.02% | 1 | 0.01% | 5 |
| 800 | DNA polymerase zeta catalytic subunit (REV3) | AF157476.1 | 0 | 0.00% | 1 | 0.01% | 2 | 0.02% | 2 | 0.01% | 5 |
| 801 | eukaryotic initiation factor 4 gamma (eIF-4 gamn | D12686 | 3 | 0.02% | 0 | 0.00% | 0 | 0.00% | 2 | 0.01% | 5 |
| 802 | eukaryotic translation initiation factor 4A, isoform | D13748 | 5 | 0.04% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 5 |
| 803 | E6-AP ubiquitin-protein ligase (UBE3A) | AF009341.1 | 0 | 0.00% | 0 | 0.00% | 3 | 0.02% | 2 | 0.01% | 5 |
| 804 | prolyl 4-hydroxylase beta-subunit and disulfide | M22806.1 | 5 | 0.04% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 5 |
| 805 | archain 1 (ARCN1) | gi4502194 | 1 | 0.01% | 3 | 0.02% | 0 | 0.00% | 1 | 0.01% | 5 |
| 806 | protein kinase C inhibitor-I | U27143 | 1 | 0.01% | 1 | 0.01% | 1 | 0.01% | 2 | 0.01% | 5 |
| 807 | serine/threonine kinase KPM | AF207547.1 | 2 | 0.01% | 2 | 0.01% | 1 | 0.01% | 0 | 0.00% | 5 |
| 808 | fibroblast growth factor 2 (basic)(FGF2) | NM_002006.1 | 1 | 0.01% | 2 | 0.01% | 1 | 0.01% | 1 | 0.01% | 5 |
| 809 | predicted osteoblast protein (GS3786), mRNA | NM_014888.1 | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 3 | 0.02% | 5 |

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|-----|--|-------------|---|-------|---|-------|---|-------|---|-------|---|
| 810 | HSPC204 | AF151038.1 | 0 | 0.00% | 0 | 0.00% | 2 | 0.02% | 3 | 0.02% | 5 |
| 811 | KIAA0579 | AB011151.1 | 0 | 0.00% | 1 | 0.01% | 3 | 0.02% | 1 | 0.01% | 5 |
| 812 | Rap1B | U07795 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 4 | 0.03% | 5 |
| 813 | X (inactive)-specific transCRIPT (XIST) | M97168 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 4 | 0.03% | 5 |
| 814 | alcohol dehydrogenase, class III (ADH5) chi sub1 | M30471 | 2 | 0.01% | 2 | 0.01% | 1 | 0.01% | 0 | 0.00% | 5 |
| 815 | diphosphoinositol polyphosphate phosphohydrol | AF191654.2 | 0 | 0.00% | 2 | 0.01% | 1 | 0.01% | 2 | 0.01% | 5 |
| 816 | phosphatidic acid phosphatase 2a | AB000888 | 2 | 0.01% | 2 | 0.01% | 1 | 0.01% | 0 | 0.00% | 5 |
| 817 | NADH dehydrogenase (ubiquinone) 1 beta subo | NM_005005.1 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 3 | 0.02% | 5 |
| 818 | NADH dehydrogenase(ubiquinone) 1, alpha/beta | NM_005003.1 | 1 | 0.01% | 2 | 0.01% | 1 | 0.01% | 1 | 0.01% | 5 |
| 819 | selenoprotein W (hSelW) | AF015283.1 | 1 | 0.01% | 3 | 0.02% | 1 | 0.01% | 0 | 0.00% | 5 |
| 820 | frizzled (Drosophila) homolog 1 (FZD1) | NM_003505.1 | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 3 | 0.02% | 5 |
| 821 | nuclear factor I/B (NFIB) | NM_005596.1 | 1 | 0.01% | 3 | 0.02% | 1 | 0.01% | 0 | 0.00% | 5 |
| 822 | heterogeneous nuclear ribonucleoprotein M (HN | 5174610 | 2 | 0.01% | 3 | 0.02% | 0 | 0.00% | 0 | 0.00% | 5 |
| 823 | heterogeneous nuclear ribonucleoprotein R (OR | AF000364 | 1 | 0.01% | 1 | 0.01% | 2 | 0.02% | 1 | 0.01% | 5 |
| 824 | nuclear protein (NP220) | NM_014497.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 4 | 0.03% | 5 |
| 825 | T-cell receptor alpha delta locus | AE000659 | 2 | 0.01% | 0 | 0.00% | 3 | 0.02% | 0 | 0.00% | 5 |
| 826 | translocase of inner mitochondrial membrane 17 | NM_006335.1 | 0 | 0.00% | 4 | 0.02% | 1 | 0.01% | 0 | 0.00% | 5 |
| 827 | miCRosomal glutathione S-transferase 3 (MGST | AF026977.1 | 0 | 0.00% | 3 | 0.02% | 0 | 0.00% | 2 | 0.01% | 5 |
| 828 | copine III (CPNE3) (=AB014536 KIAA0636) | gi4503014 | 0 | 0.00% | 2 | 0.01% | 1 | 0.01% | 2 | 0.01% | 5 |
| 829 | Golgi apparatus protein 1 (GLG1) | NM_012201.1 | 2 | 0.01% | 3 | 0.02% | 0 | 0.00% | 0 | 0.00% | 5 |
| 830 | destrin (actin depolymerizing factor) (ADF) | 5802965 | 2 | 0.01% | 0 | 0.00% | 2 | 0.02% | 1 | 0.01% | 5 |
| 831 | growth arrest and DNA-damage-inducible, alpha | NM_001924.1 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 3 | 0.02% | 5 |
| 832 | ST4 oncofetal trophoblast glycoprotein (ST4) | NM_006670.1 | 0 | 0.00% | 3 | 0.02% | 1 | 0.01% | 1 | 0.01% | 5 |
| 833 | Autosomal Highly Conserved Protein (AHCP) (=I | NM_016255.1 | 0 | 0.00% | 3 | 0.02% | 1 | 0.01% | 1 | 0.01% | 5 |
| 834 | Diff33 protein homolog | AF164794.1 | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 3 | 0.02% | 5 |
| 835 | G8 protein (G8) | NM_016947.1 | 3 | 0.02% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 5 |
| 836 | HSPC067 | AF161552.1 | 0 | 0.00% | 0 | 0.00% | 4 | 0.03% | 1 | 0.01% | 5 |
| 837 | HSPC316 | AF161434.1 | 0 | 0.00% | 5 | 0.03% | 0 | 0.00% | 0 | 0.00% | 5 |
| 838 | HSPC034 protein | AF100747.1 | 0 | 0.00% | 0 | 0.00% | 2 | 0.02% | 3 | 0.02% | 5 |
| 839 | KIAA0077 gene | D38521.1 | 1 | 0.01% | 1 | 0.01% | 1 | 0.01% | 2 | 0.01% | 5 |
| 840 | KIAA0107 | D14663 | 3 | 0.02% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 5 |
| 841 | KIAA0127 | NM_014755.1 | 0 | 0.00% | 2 | 0.01% | 2 | 0.02% | 1 | 0.01% | 5 |
| 842 | KIAA0174 | D79996 | 1 | 0.01% | 3 | 0.02% | 1 | 0.01% | 0 | 0.00% | 5 |
| 843 | KIAA0244 gene | D87685 | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 3 | 0.02% | 5 |
| 844 | KIAA0265 | D87454 | 2 | 0.01% | 0 | 0.00% | 3 | 0.02% | 0 | 0.00% | 5 |
| 845 | KIAA0308 | AB002306 | 0 | 0.00% | 2 | 0.01% | 3 | 0.02% | 0 | 0.00% | 5 |
| 846 | KIAA0325 gene | AB002323.1 | 3 | 0.02% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 5 |
| 847 | KIAA0382 | AB002380 | 0 | 0.00% | 1 | 0.01% | 2 | 0.02% | 2 | 0.01% | 5 |
| 848 | KIAA0577 | AB011149 | 0 | 0.00% | 2 | 0.01% | 2 | 0.02% | 1 | 0.01% | 5 |
| 849 | KIAA0670 protein/acinusL (no-exact match 42% | NP_055792.1 | 2 | 0.01% | 2 | 0.01% | 0 | 0.00% | 1 | 0.01% | 5 |
| 850 | KIAA0680 gene product (KIAA0680) | NM_014721.1 | 0 | 0.00% | 2 | 0.01% | 1 | 0.01% | 2 | 0.01% | 5 |
| 851 | KIAA0853 | AB020660.1 | 0 | 0.00% | 3 | 0.02% | 1 | 0.01% | 1 | 0.01% | 5 |
| 852 | KIAA0977 | AB023194.1 | 0 | 0.00% | 1 | 0.01% | 3 | 0.02% | 1 | 0.01% | 5 |
| 853 | KIAA1013 | AB023230.1 | 0 | 0.00% | 3 | 0.02% | 1 | 0.01% | 2 | 0.01% | 5 |
| 854 | KIAA1053 | AB028976.1 | 1 | 0.01% | 0 | 0.00% | 2 | 0.02% | 2 | 0.01% | 5 |
| 855 | meningioma-expressed antigen 5 (MEA5) (=KIA | AF036145 | 0 | 0.00% | 3 | 0.02% | 1 | 0.01% | 1 | 0.01% | 5 |
| 856 | myeloid leukemia factor 2 (MLF2) | NM_005439.1 | 4 | 0.03% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 5 |
| 857 | NY-REN-45 antigen (LOC51133) | NM_016121.1 | 0 | 0.00% | 1 | 0.01% | 2 | 0.02% | 2 | 0.01% | 5 |
| 858 | PEG1/MEST | D87367.1 | 5 | 0.04% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 5 |
| 859 | PRO2605 | AF116709.1 | 4 | 0.03% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 5 |
| 860 | PRO2751 | AF119896.1 | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 3 | 0.02% | 5 |
| 861 | PTH-responsive osteosarcoma D1 protein | AAD25980.1 | 0 | 0.00% | 2 | 0.01% | 2 | 0.02% | 1 | 0.01% | 5 |
| 862 | seCReted protein of unknown function (SPUF) | AF173937.1 | 0 | 0.00% | 2 | 0.01% | 1 | 0.01% | 2 | 0.01% | 5 |
| 863 | steroid sensitive gene-1 protein (SSG-1) | AF223677.1 | 1 | 0.01% | 2 | 0.01% | 0 | 0.00% | 2 | 0.01% | 5 |
| 864 | uncoupling protein 2 (ucp2 gene homologue) | AJ243250.1 | 5 | 0.04% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 5 |
| 865 | X-linked anhidrotic ectodermal dysplasia protein | AF003528.1 | 1 | 0.01% | 4 | 0.02% | 0 | 0.00% | 0 | 0.00% | 5 |
| 866 | S100 calcium-binding protein A13 (S100A13) | NM_005979.1 | 3 | 0.02% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 5 |
| 867 | pyruvate dehydrogenase (lipoamide) alpha 1 (P | NM_000284.1 | 2 | 0.01% | 1 | 0.01% | 2 | 0.02% | 0 | 0.00% | 5 |

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|-----|---|-------------|---|-------|---|-------|---|-------|---|-------|---|
| 868 | protein x 0001 | AF117230 | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 3 | 0.02% | 5 |
| 869 | PTEN (PTEN) gene | AF143312.1 | 0 | 0.00% | 3 | 0.02% | 1 | 0.01% | 1 | 0.01% | 5 |
| 870 | lipoprotein lipase (LPL) | NM_000237.1 | 0 | 0.00% | 1 | 0.01% | 4 | 0.03% | 0 | 0.00% | 5 |
| 871 | CYTOCHROME C OXIDASE POLYPEPTIDE III P00414 | | 1 | 0.01% | 1 | 0.01% | 1 | 0.01% | 2 | 0.01% | 5 |
| 872 | NADH dehydrogenase subunit 1(RefSeq aa 2e-7 gi5835388 | | 0 | 0.00% | 5 | 0.03% | 0 | 0.00% | 0 | 0.00% | 5 |
| 873 | NADH-UBIQUINONE OXIDOREDUCTASE CHA P03905 | | 1 | 0.01% | 2 | 0.01% | 0 | 0.00% | 2 | 0.01% | 5 |
| 874 | NADH-UBIQUINONE OXIDOREDUCTASE MLF sp000483 | | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 4 | 0.03% | 5 |
| 875 | dihydrofolate reductase (DHFR) | NM_000791.2 | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 3 | 0.02% | 5 |
| 876 | aspartyl-tRNA synthetase (DARS) | NM_001349.1 | 2 | 0.01% | 2 | 0.01% | 0 | 0.00% | 1 | 0.01% | 5 |
| 877 | mitochondrial serine hydroxymethyltransferase c | U23143.1 | 3 | 0.02% | 0 | 0.00% | 0 | 0.00% | 2 | 0.01% | 5 |
| 878 | cystatin B | U46692 | 2 | 0.01% | 2 | 0.01% | 0 | 0.00% | 1 | 0.01% | 5 |
| 879 | PROS-27 | X59417 | 1 | 0.01% | 2 | 0.01% | 0 | 0.00% | 2 | 0.01% | 5 |
| 880 | sorting nexin 3 (SNX3) | AF034546 | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 3 | 0.02% | 5 |
| 881 | AKAP450 protein | AJ131693.1 | 0 | 0.00% | 0 | 0.00% | 3 | 0.02% | 2 | 0.01% | 5 |
| 882 | farnesyl-protein transferase alpha-subunit | L00634 | 1 | 0.01% | 1 | 0.01% | 1 | 0.01% | 2 | 0.01% | 5 |
| 883 | prolylcarboxypeptidase (angiotensinase C) (PRC NM_005040.1 | | 1 | 0.01% | 2 | 0.01% | 1 | 0.01% | 1 | 0.01% | 5 |
| 884 | sequestosome 1 (SQSTM1) (=U46751.1 phosph NM_003900.1 | | 2 | 0.01% | 0 | 0.00% | 1 | 0.01% | 2 | 0.01% | 5 |
| 885 | GLI-Kruppel family member GLI3 (Greig cephalic gi4504014 | | 1 | 0.01% | 2 | 0.01% | 1 | 0.01% | 1 | 0.01% | 5 |
| 886 | TATA element modulatory factor | L01042.1 | 0 | 0.00% | 0 | 0.00% | 2 | 0.02% | 3 | 0.02% | 5 |
| 887 | two-handed zinc finger protein ZEB | U19969 | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 3 | 0.02% | 5 |
| 888 | XAGL protein | Y15906.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 4 | 0.03% | 5 |
| 889 | zinc finger protein 262 (ZNF262) (=AB007885 Ki gi4827068 | | 4 | 0.03% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 5 |
| 890 | zinc finger protein 84 (HPF2) (ZNF84) | NM_003428.1 | 1 | 0.01% | 2 | 0.01% | 1 | 0.01% | 1 | 0.01% | 5 |
| 891 | heterogeneous nuclear ribonucleoprotein H1 (H) NM_005520.1 | | 1 | 0.01% | 3 | 0.02% | 1 | 0.01% | 0 | 0.00% | 5 |
| 892 | Polyadenylate binding protein | U75686.1 | 1 | 0.01% | 1 | 0.01% | 2 | 0.02% | 1 | 0.01% | 5 |
| 893 | spliceosomal protein SAP 155 | AF054284 | 3 | 0.02% | 0 | 0.00% | 2 | 0.02% | 0 | 0.00% | 5 |
| 894 | splicing factor (CC1.4) | L10911.1 | 1 | 0.01% | 0 | 0.00% | 2 | 0.02% | 2 | 0.01% | 5 |
| 895 | Splicing factor proline/glutamine rich (polypyrimin NM_005066.1 | | 1 | 0.01% | 1 | 0.01% | 1 | 0.01% | 2 | 0.01% | 5 |
| 896 | RNA polymerase II subunit hSRPB7 | U20659.1 | 2 | 0.01% | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 5 |
| 897 | lymphocyte activation-associated protein | AF123320.1 | 0 | 0.00% | 2 | 0.01% | 2 | 0.02% | 1 | 0.01% | 5 |
| 898 | heat shock 60kD protein 1 (chaperonin) (HSPD1 NM_002156.1 | | 0 | 0.00% | 3 | 0.02% | 0 | 0.00% | 2 | 0.01% | 5 |
| 899 | lysosomal-associated membrane protein 2 (LAM NM_013995.1 | | 0 | 0.00% | 4 | 0.02% | 0 | 0.00% | 1 | 0.01% | 5 |
| 900 | beta-COP | X82103 | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 3 | 0.02% | 5 |
| 901 | RAD23 (S. cerevisiae) homolog B (RAD23B) | NM_002874.1 | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 3 | 0.02% | 5 |
| 902 | t-complex polypeptide 1 | X52882 | 1 | 0.01% | 0 | 0.00% | 2 | 0.02% | 2 | 0.01% | 5 |
| 903 | xeroderma pigmentosum group E UV-damaged IU32986.1 | | 3 | 0.02% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 5 |
| 904 | CGI-121 protein (LOC51002) | NM_016058.1 | 0 | 0.00% | 0 | 0.00% | 2 | 0.02% | 3 | 0.02% | 5 |
| 905 | restin (Reed-Steinberg cell-expressed intermedi NM_002956.1 | | 0 | 0.00% | 1 | 0.01% | 2 | 0.02% | 2 | 0.01% | 5 |
| 906 | sarcoglycan, beta (43kD dystrophin-associated c NM_000232.1 | | 2 | 0.01% | 1 | 0.01% | 2 | 0.02% | 0 | 0.00% | 5 |
| 907 | Actinin-alpha | X55187.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 5 | 0.04% | 5 |
| 908 | cytoplasmic beta-actin | M10277 | 2 | 0.01% | 2 | 0.01% | 0 | 0.00% | 1 | 0.01% | 5 |
| 909 | MEMA protein | Y09703.1 | 0 | 0.00% | 3 | 0.02% | 0 | 0.00% | 2 | 0.01% | 5 |
| 910 | moesin (MSN) | NM_002444.1 | 2 | 0.01% | 3 | 0.02% | 0 | 0.00% | 0 | 0.00% | 5 |
| 911 | tubulin-specific chaperone a (TBCA) (=AF03895 gi4759211 | | 2 | 0.01% | 1 | 0.01% | 1 | 0.01% | 1 | 0.01% | 5 |
| 912 | myosin class I, myh-1c | AJ001382 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 3 | 0.02% | 5 |
| 913 | oligodendrocyte myelin glycoprotein (OMG) | L05367 | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 3 | 0.02% | 5 |
| 914 | activin A receptor, type I (ACVR1) =Z22534 ALK NM_001105.1 | | 1 | 0.01% | 1 | 0.01% | 1 | 0.01% | 2 | 0.01% | 5 |
| 915 | CD81 antigen (target of antiproliferative antibody NM_004356.1 | | 5 | 0.04% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 5 |
| 916 | CDA14 (RefSeq aa 2e-31) | NP_057654.1 | 0 | 0.00% | 4 | 0.02% | 0 | 0.00% | 1 | 0.01% | 5 |
| 917 | mannose 6-phosphate receptor, 46 kD (MPR46) X56257 | | 1 | 0.01% | 0 | 0.00% | 2 | 0.02% | 2 | 0.01% | 5 |
| 918 | secreted frizzled-related protein 1 (SFRP1) | NM_003012.2 | 1 | 0.01% | 4 | 0.02% | 0 | 0.00% | 0 | 0.00% | 5 |
| 919 | calcineurin A2 | M29551 | 2 | 0.01% | 0 | 0.00% | 2 | 0.02% | 1 | 0.01% | 5 |
| 920 | activin beta-A subunit (=cDNA FLJ11041 fis, clc X57580.1 | | 0 | 0.00% | 0 | 0.00% | 2 | 0.02% | 3 | 0.02% | 5 |
| 921 | insuline-like growth factor II receptor | Y00285 | 4 | 0.03% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 5 |
| 922 | calcium modulating cyclophilin ligand CAMLG (CAF068179.1 | | 1 | 0.01% | 3 | 0.02% | 1 | 0.01% | 0 | 0.00% | 5 |
| 923 | polycystic kidney disease 2 (autosomal dominan NM_000297.1 | | 0 | 0.00% | 3 | 0.02% | 1 | 0.01% | 1 | 0.01% | 5 |
| 924 | Thy-1 glycoprotein | M11749 | 5 | 0.04% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 5 |
| 925 | histone (H2A.Z) | M37583 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 5 | 0.04% | 5 |

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|---|-------------|---|-------|---|-------|---|-------|---|-------|---|
| 926 histone H4 | X67081 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 5 | 0.04% | 5 |
| 927 M-phase phosphoprotein homologue | AF100742.1 | 0 | 0.00% | 2 | 0.01% | 1 | 0.01% | 2 | 0.01% | 5 |
| 928 cell division cycle 27 (CDC27) | NM_001256.1 | 0 | 0.00% | 4 | 0.02% | 1 | 0.01% | 0 | 0.00% | 5 |
| 929 GTP-binding protein (RAB1) | M28209 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 4 | 0.03% | 5 |
| 930 prefoldin 4 (PFDN4) | gi4505740 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 4 | 0.03% | 5 |
| 931 replication factor C (activator 1) 1 (145kD) (RFC) | NM_002913.1 | 3 | 0.02% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 5 |
| 932 replication protein A3 (14kD) (RPA3) | NM_002947.1 | 0 | 0.00% | 1 | 0.01% | 2 | 0.02% | 2 | 0.01% | 5 |
| 933 anaphase promoting complex subunit 10 | AF132794.1 | 0 | 0.00% | 1 | 0.01% | 2 | 0.02% | 2 | 0.01% | 5 |
| 934 KIAA0075 | D38550.1 | 0 | 0.00% | 3 | 0.02% | 0 | 0.00% | 2 | 0.01% | 5 |
| 935 KIAA0336 gene | NM_014635.1 | 0 | 0.00% | 2 | 0.01% | 1 | 0.01% | 2 | 0.01% | 5 |
| 936 KIAA0527 | AB011099.1 | 1 | 0.01% | 3 | 0.02% | 0 | 0.00% | 1 | 0.01% | 5 |
| 937 KIAA0573 | AB011145 | 0 | 0.00% | 1 | 0.01% | 3 | 0.02% | 1 | 0.01% | 5 |
| 938 KIAA0610 | AB011182 | 0 | 0.00% | 2 | 0.01% | 2 | 0.02% | 1 | 0.01% | 5 |
| 939 KIAA0810 | AB018353.1 | 2 | 0.01% | 1 | 0.01% | 2 | 0.02% | 0 | 0.00% | 5 |
| 940 KIAA1073 | AB028996.1 | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 3 | 0.02% | 5 |
| 941 PTD011 | AF078864 | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 3 | 0.02% | 5 |
| 942 retrovirus-related hypothetical protein II (=X5223 S23650 | | 1 | 0.01% | 3 | 0.02% | 0 | 0.00% | 1 | 0.01% | 5 |
| 943 SRY (sex-determining region Y)-box 5 (SOX5) | NM_006940.1 | 0 | 0.00% | 2 | 0.01% | 2 | 0.02% | 1 | 0.01% | 5 |
| 944 YEA1 (YY1 and E4TF1 associated factor 1) | AB029551.1 | 2 | 0.01% | 2 | 0.01% | 1 | 0.01% | 0 | 0.00% | 5 |
| 945 glucan (1,4-alpha-), branching enzyme 1(ORF)(c | NM_000158.1 | 0 | 0.00% | 2 | 0.01% | 2 | 0.02% | 1 | 0.01% | 5 |
| 946 hexokinase 1 (HK1) (=AF016365;X66957) | M75126 | 3 | 0.02% | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 5 |
| 947 fatty acid binding protein 5 (psoriasis-associated | NM_001444.1 | 2 | 0.01% | 1 | 0.01% | 2 | 0.02% | 0 | 0.00% | 5 |
| 948 oxysterol-binding protein | AB017026 | 1 | 0.01% | 2 | 0.01% | 1 | 0.01% | 1 | 0.01% | 5 |
| 949 ubiquinol-cytochrome c reductase core protein II | NM_003366.1 | 2 | 0.01% | 1 | 0.01% | 1 | 0.01% | 1 | 0.01% | 5 |
| 950 amino acid transporter system A (ATA2) (=AB03 | AF249673.1 | 0 | 0.00% | 3 | 0.02% | 2 | 0.02% | 0 | 0.00% | 5 |
| 951 Arginine-rich protein (ARP) | NM_006010.1 | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 3 | 0.02% | 5 |
| 952 translation initiation factor (=D21853 hypothetical | X79538 | 1 | 0.01% | 2 | 0.01% | 0 | 0.00% | 2 | 0.01% | 5 |
| 953 proteasome (prosome macropain) beta type, 4 (I | NM_002796.1 | 1 | 0.01% | 4 | 0.02% | 0 | 0.00% | 1 | 0.01% | 5 |
| 954 proteasome (prosome, macropain) 26Ssubunit, / | NP_002794.1 | 0 | 0.00% | 5 | 0.03% | 0 | 0.00% | 0 | 0.00% | 5 |
| 955 PEX10 peroxisome biogenesis factor (peroxin) 1 | AB013818.1 | 5 | 0.04% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 5 |
| 956 DNA-dependent protein kinase catalytic subunit | U47077.3 | 3 | 0.02% | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 5 |
| 957 putative translation initiation factor(RefSeq aa 4e | NP_005792.1 | 0 | 0.00% | 5 | 0.03% | 0 | 0.00% | 0 | 0.00% | 5 |
| 958 transCRiption factor forkhead-like 7 (FKHL7) ger | AF048693.1 | 0 | 0.00% | 3 | 0.02% | 0 | 0.00% | 2 | 0.01% | 5 |
| 959 polyadenylate binding protein-interacting protein | NM_006451.1 | 0 | 0.00% | 1 | 0.01% | 3 | 0.02% | 1 | 0.01% | 5 |
| 960 protein-L-isoaspartate (D-aspartate) O-methyltra | NM_005389.1 | 0 | 0.00% | 0 | 0.00% | 3 | 0.02% | 2 | 0.01% | 5 |
| 961 CGI-130 protein | AF151888.1 | 0 | 0.00% | 2 | 0.01% | 1 | 0.01% | 2 | 0.01% | 5 |
| 962 endocytic receptor (macrophage mannose rece | NM_006039.1 | 5 | 0.04% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 5 |
| 963 glucocorticoid receptor AF-1 specific elongation | AF174496.1 | 3 | 0.02% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 5 |
| 964 thrombospondin 3 (THBS3) (RefSeq aa 3e-59) | NP_009043.1 | 1 | 0.01% | 4 | 0.02% | 0 | 0.00% | 0 | 0.00% | 5 |
| 965 cyclin G2 | U47414 | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 3 | 0.02% | 5 |
| 966 nucleolar phosphoprotein p130 (P130) | NM_004741.1 | 2 | 0.01% | 3 | 0.02% | 0 | 0.00% | 0 | 0.00% | 5 |
| 967 polymerase (RNA) II polypeptide G (POLR2G) | NM_002696.1 | 1 | 0.01% | 3 | 0.02% | 0 | 0.00% | 1 | 0.01% | 5 |
| 968 KIAA0433 (ORF) | AB007893 | 0 | 0.00% | 3 | 0.02% | 0 | 0.00% | 2 | 0.01% | 5 |
| 969 KIAA0729 | AB018272.1 | 0 | 0.00% | 1 | 0.01% | 2 | 0.02% | 2 | 0.01% | 5 |
| 970 KIAA1038 | AB028961 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 4 | 0.03% | 5 |
| 971 KIAA1058 protein | AB028981.1 | 1 | 0.01% | 1 | 0.01% | 1 | 0.01% | 2 | 0.01% | 5 |
| 972 lipoma preferred partner (LPP)gene, exon 11, an | U49968.1 | 0 | 0.00% | 2 | 0.01% | 3 | 0.02% | 0 | 0.00% | 5 |
| 973 prostate cancer tumor suppressor (N33) | NM_006765.1 | 1 | 0.01% | 2 | 0.01% | 0 | 0.00% | 2 | 0.01% | 5 |
| 974 protein S alpha gene (PROS1) | M36564 | 0 | 0.00% | 2 | 0.01% | 3 | 0.02% | 0 | 0.00% | 5 |
| 975 NADH-UBIQUINONE OXIDOREDUCTASE CHA | spP03901 | 0 | 0.00% | 3 | 0.02% | 1 | 0.01% | 1 | 0.01% | 5 |
| 976 ribosomal protein L36 60S | AF077043 | 5 | 0.04% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 5 |
| 977 peptidylprolyl isomerase A (cyclophilin A) (PPIA) | Hs.342389 | 1 | 0.01% | 3 | 0.02% | 0 | 0.00% | 1 | 0.01% | 5 |
| 978 calpobindin II= ANNEXIN VI | D00510.1 | 5 | 0.04% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 5 |
| 979 thioredoxin peroxidase (antioxidant enzyme) (AC | NM_006406.1 | 3 | 0.02% | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 5 |
| 980 cytoskeletal tropomyosin TM30(nm) | X04588.1 | 1 | 0.01% | 2 | 0.01% | 1 | 0.01% | 1 | 0.01% | 5 |
| 981 LIV-1 protein, estrogen regulated (LIV-1) (=U410 | 7106340 | 0 | 0.00% | 2 | 0.01% | 1 | 0.01% | 2 | 0.01% | 5 |
| 982 dehydrogenase subunit 4 (RefSeq aa 3e-34) | gi5835397 | 0 | 0.00% | 5 | 0.03% | 0 | 0.00% | 0 | 0.00% | 5 |
| 983 phosphoglycerate mutase 1 (brain) (PGAM1), ml | Hs.181013 | 2 | 0.01% | 1 | 0.01% | 0 | 0.00% | 2 | 0.01% | 5 |

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|------|---|-------------|---|-------|---|-------|---|-------|---|-------|---|
| 984 | ribosomal RNA 16S gene | AF036006.1 | 0 | 0.00% | 0 | 0.00% | 4 | 0.03% | 1 | 0.01% | 5 |
| 985 | Zn-15 transcription factor (Zfp-15) (=AB011102 AF017806 | | 2 | 0.01% | 2 | 0.01% | 1 | 0.01% | 0 | 0.00% | 5 |
| 986 | tetraspan TM4SF(TSPAN-6) | AF053453 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 3 | 0.02% | 5 |
| 987 | CGI-119 protein (LOC51643), mRNA /cds=(0,77 Hs.283670 | | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 3 | 0.02% | 5 |
| 988 | laminin, gamma 1 (formerly LAMB2) (LAMC1), | NM_002293.2 | 1 | 0.01% | 4 | 0.02% | 0 | 0.00% | 0 | 0.00% | 5 |
| 989 | Rosenthal fiber protein (alpha-B-Crystallin) | M24906 | 1 | 0.01% | 1 | 0.01% | 1 | 0.01% | 2 | 0.01% | 5 |
| 990 | BPTF mRNA for bromodomain PHD finger trans | AB032251.1 | 0 | 0.00% | 2 | 0.01% | 1 | 0.01% | 2 | 0.01% | 5 |
| 991 | nucleosome assembly protein 1-like 1 (NAP1L1) XM_047969.1 | | 3 | 0.02% | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 5 |
| 992 | alpha subunit of GsGTP binding protein (GSA) | X56009 | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 2 | 0.01% | 4 |
| 993 | ring finger protein 4 (RNF4) | gi4506560 | 1 | 0.01% | 1 | 0.01% | 1 | 0.01% | 1 | 0.01% | 4 |
| 994 | small nuclear ribonucleoprotein polypeptide E (SNM_003094.1 | | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 3 | 0.02% | 4 |
| 995 | ATP synthase, H transporting, mitochondrial F0 | NM_001688.1 | 3 | 0.02% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 4 |
| 996 | capping protein (actin filament) muscle Z-line, al | NM_006136.1 | 1 | 0.01% | 2 | 0.01% | 1 | 0.01% | 0 | 0.00% | 4 |
| 997 | TSE1=protein kinase A regulatory subunit | S54711 | 0 | 0.00% | 2 | 0.01% | 1 | 0.01% | 1 | 0.01% | 4 |
| 998 | proteasome (prosome, maCRopain) subunit, bet | NM_002795.1 | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 2 | 0.01% | 4 |
| 999 | Hmob33 protein | Y14155.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 3 | 0.02% | 4 |
| 1000 | transmembrane 9 superfamily member 2 (TM9SINM_004800.1 | | 1 | 0.01% | 0 | 0.00% | 3 | 0.02% | 0 | 0.00% | 4 |
| 1001 | procollagen C-proteinase enhancer protein, type | AB008549 | 3 | 0.02% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 4 |
| 1002 | differentiated embryo chondrocyte expressed ge | AB004066 | 1 | 0.01% | 0 | 0.00% | 3 | 0.02% | 0 | 0.00% | 4 |
| 1003 | trinucleotide repeat containing 3 (TNRC3) | NM_005878.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 3 | 0.02% | 4 |
| 1004 | MHC class I (HLA-A) | U59701 | 3 | 0.02% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 4 |
| 1005 | glutathione S-transferase M3 (brain) (GSTM3) | NM_000849.1 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 2 | 0.01% | 4 |
| 1006 | muscle specific gene M9 (=PTD001) | BAA76626.1 | 0 | 0.00% | 3 | 0.02% | 0 | 0.00% | 1 | 0.01% | 4 |
| 1007 | platelet-derived growth factor receptor-like (PDG | NM_006207.1 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 2 | 0.01% | 4 |
| 1008 | COBW-like placental protein | AF065414 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 4 | 0.03% | 4 |
| 1009 | SUMO-1-specific protease (KIAA0797) | NM_015571.1 | 0 | 0.00% | 2 | 0.01% | 1 | 0.01% | 1 | 0.01% | 4 |
| 1010 | p58/GTA (galactosyltransferase associated prot | M37712.1 | 0 | 0.00% | 1 | 0.01% | 2 | 0.02% | 1 | 0.01% | 4 |
| 1011 | lysophospholipase I (LYPLA1) | NM_006330.1 | 0 | 0.00% | 0 | 0.00% | 2 | 0.02% | 2 | 0.01% | 4 |
| 1012 | proteasome (prosome, macropain) subunit, beta | NM_002799.1 | 2 | 0.01% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 4 |
| 1013 | chaperonin containing TCP1, subunit 8 (theta) (C | NM_006585.1 | 1 | 0.01% | 2 | 0.01% | 1 | 0.01% | 0 | 0.00% | 4 |
| 1014 | Sec23 (S. cerevisiae) homolog A (RefSeq aa 5e | NP_006355.1 | 0 | 0.00% | 2 | 0.01% | 2 | 0.02% | 0 | 0.00% | 4 |
| 1015 | Translocon associated protein gamma subunit | spQ9UNL2 | 0 | 0.00% | 0 | 0.00% | 3 | 0.02% | 1 | 0.01% | 4 |
| 1016 | nuclear factor (erythroid-derived 2)-like 2 (NFE2 | gi5453775 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 2 | 0.01% | 4 |
| 1017 | RAP1A, member of RAS oncogene family (RAP | NM_002884.1 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 2 | 0.01% | 4 |
| 1018 | RNaseP protein p30 (RPP30) | U77665 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 4 | 0.03% | 4 |
| 1019 | glutathione S-transferase P1c (GSTp1c) | U62589.1 | 4 | 0.03% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 4 |
| 1020 | collagen type XV alpha 1 (COL15A1) | L25280 | 4 | 0.03% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 4 |
| 1021 | myosin-binding protein C, cardiac (MYBPC3) | NM_000256.1 | 1 | 0.01% | 1 | 0.01% | 1 | 0.01% | 1 | 0.01% | 4 |
| 1022 | secreted frizzled-related protein 4 (SFRP4) | NM_003014.2 | 0 | 0.00% | 0 | 0.00% | 3 | 0.02% | 1 | 0.01% | 4 |
| 1023 | IQ motif containing GTPase activating protein 1 | NM_003870.1 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 2 | 0.01% | 4 |
| 1024 | cadherin 13, H-cadherin (heart) (CDH13) | NM_001257.1 | 0 | 0.00% | 2 | 0.01% | 2 | 0.02% | 0 | 0.00% | 4 |
| 1025 | Death associated protein 3 (DAP3) | NM_004632.1 | 0 | 0.00% | 4 | 0.02% | 0 | 0.00% | 0 | 0.00% | 4 |
| 1026 | enhancer of polycomb (Epc1) | AF079765 | 2 | 0.01% | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 4 |
| 1027 | mesenchyme homeo box 2 (growth arrest-speci | NM_005924.1 | 0 | 0.00% | 1 | 0.01% | 2 | 0.02% | 1 | 0.01% | 4 |
| 1028 | nucleolar autoantigen | NM_006455.1 | 4 | 0.03% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 4 |
| 1029 | ADP/ATP carrier protein (ANT-2) gene | L78810.1 | 1 | 0.01% | 0 | 0.00% | 3 | 0.02% | 0 | 0.00% | 4 |
| 1030 | S100 calcium-binding protein, beta (neural) (S10 | NM_006272.1 | 1 | 0.01% | 3 | 0.02% | 0 | 0.00% | 0 | 0.00% | 4 |
| 1031 | 3-phosphoglycerate dehydrogenase (PGAD) | NM_006623.1 | 4 | 0.03% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 4 |
| 1032 | phosphoinositol 3-phosphate binding protein-1 (I | NM_020904.1 | 0 | 0.00% | 4 | 0.02% | 0 | 0.00% | 0 | 0.00% | 4 |
| 1033 | Dimethyladenosine transferase (HSA9761) | NM_014473.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 3 | 0.02% | 4 |
| 1034 | fatty-acid-Coenzyme A ligase, long-chain 4 (FAC | NM_004458.1 | 0 | 0.00% | 3 | 0.02% | 0 | 0.00% | 1 | 0.01% | 4 |
| 1035 | phosphatidic acid phosphatase 2b (PPAP2B) | AB000889 | 1 | 0.01% | 3 | 0.02% | 0 | 0.00% | 0 | 0.00% | 4 |
| 1036 | ATP synthase, H transporting, mitochondrial F0 | NM_004889.1 | 1 | 0.01% | 1 | 0.01% | 1 | 0.01% | 1 | 0.01% | 4 |
| 1037 | cytochrome c oxidase subunit Vb (coxVb) | M19961 | 1 | 0.01% | 1 | 0.01% | 2 | 0.02% | 0 | 0.00% | 4 |
| 1038 | methyltetrahydrofolate dehydrogenase- met | J04031 | 3 | 0.02% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 4 |
| 1039 | methyl-CpG binding domain protein 2 (MBD2), tr | gi7710146 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 3 | 0.02% | 4 |
| 1040 | proteasome (prosome, macropain) subunit, alph | NM_002787.1 | 1 | 0.01% | 0 | 0.00% | 2 | 0.02% | 1 | 0.01% | 4 |
| 1041 | hypoxia-inducible protein 2 (HIG2) | NM_013332.1 | 0 | 0.00% | 4 | 0.02% | 0 | 0.00% | 0 | 0.00% | 4 |

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|------|--|-------------|---|-------|---|-------|---|-------|---|-------|---|
| 1042 | CAAX box 1 (CXX1) | fi4503180 | 3 | 0.02% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 4 |
| 1043 | forkhead box O1A (rhabdomyosarcoma) (FOXO NM_002015.1 | | 0 | 0.00% | 3 | 0.02% | 1 | 0.01% | 0 | 0.00% | 4 |
| 1044 | heterogeneous nuclear protein similar to rat helix NM_005758.1 | | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 2 | 0.01% | 4 |
| 1045 | Golgi vesicular membrane trafficking protein p18gi5031610 | | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 2 | 0.01% | 4 |
| 1046 | hect domain and RLD 2(HERC2) (=KIAA0393) NM_004667.2 | | 1 | 0.01% | 1 | 0.01% | 1 | 0.01% | 1 | 0.01% | 4 |
| 1047 | collagen type IV alpha (2) chain | X05610.1 | 4 | 0.03% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 4 |
| 1048 | cofilin isoform 1 | AF134802 | 0 | 0.00% | 0 | 0.00% | 2 | 0.02% | 2 | 0.01% | 4 |
| 1049 | myosin IXA (MYO9A) | NM_006901.1 | 0 | 0.00% | 3 | 0.02% | 1 | 0.01% | 0 | 0.00% | 4 |
| 1050 | fukutin | AB038490.1 | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 2 | 0.01% | 4 |
| 1051 | G protein-coupled receptor 64 (GPR64) | NM_005756.1 | 0 | 0.00% | 1 | 0.01% | 2 | 0.02% | 1 | 0.01% | 4 |
| 1052 | germline T-cell receptor beta chain | U66061 | 1 | 0.01% | 0 | 0.00% | 2 | 0.02% | 1 | 0.01% | 4 |
| 1053 | signal sequence receptor, alpha (translocon-ass NM_003144.2 | | 0 | 0.00% | 3 | 0.02% | 0 | 0.00% | 1 | 0.01% | 4 |
| 1054 | signal sequence receptor, beta (translocon-asso X74104 | | 3 | 0.02% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 4 |
| 1055 | SH3 domain binding glutamic acid-rich protein lil NM_003022.1 | | 0 | 0.00% | 1 | 0.01% | 2 | 0.02% | 1 | 0.01% | 4 |
| 1056 | neuroendocrine-specific protein-like protein 1 (N: AF119297.1 | | 0 | 0.00% | 2 | 0.01% | 2 | 0.02% | 0 | 0.00% | 4 |
| 1057 | ARFGAP1 protein (ARFGAP1) | AF111847.1 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 2 | 0.01% | 4 |
| 1058 | gelsolin, plasma (GSN) | X04412 | 2 | 0.01% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 4 |
| 1059 | integrin cytoplasmic domain associated protein (AF012023 | | 1 | 0.01% | 1 | 0.01% | 1 | 0.01% | 1 | 0.01% | 4 |
| 1060 | integrin, alpha E (antigen CD103, human mucos NM_002208.3 | | 1 | 0.01% | 2 | 0.01% | 1 | 0.01% | 0 | 0.00% | 4 |
| 1061 | acidic 82 kDa protein | U15552 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 4 | 0.03% | 4 |
| 1062 | BUP | AF078848.1 | 0 | 0.00% | 2 | 0.01% | 1 | 0.01% | 1 | 0.01% | 4 |
| 1063 | C9ORF3 | AF043897.1 | 2 | 0.01% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 4 |
| 1064 | chondrosarcoma-associated protein 2 (CSA2) | AF182645.1 | 1 | 0.01% | 2 | 0.01% | 0 | 0.00% | 1 | 0.01% | 4 |
| 1065 | density regulated protein drp1 | AF038554.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 3 | 0.02% | 4 |
| 1066 | E2IG5 | AF191020 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 4 | 0.03% | 4 |
| 1067 | housekeeping (Q1Z 7F5) gene | M81806.1 | 1 | 0.01% | 2 | 0.01% | 0 | 0.00% | 1 | 0.01% | 4 |
| 1068 | HSPC039 protein | AF125100.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 3 | 0.02% | 4 |
| 1069 | HSPC139 | AF161488.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 3 | 0.02% | 4 |
| 1070 | HSPC213 (=HSPC327) | AAF36133.1 | 0 | 0.00% | 0 | 0.00% | 2 | 0.02% | 2 | 0.01% | 4 |
| 1071 | KIAA0022 | BAA03498.1 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 2 | 0.01% | 4 |
| 1072 | KIAA0136 | D50926.1 | 2 | 0.01% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 4 |
| 1073 | KIAA0232 | D86985.2 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 3 | 0.02% | 4 |
| 1074 | KIAA0235 | D87078 | 1 | 0.01% | 1 | 0.01% | 1 | 0.01% | 1 | 0.01% | 4 |
| 1075 | KIAA0251 | D87438 | 3 | 0.02% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 4 |
| 1076 | KIAA0252 | D87440 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 2 | 0.01% | 4 |
| 1077 | KIAA0256 | D87445 | 0 | 0.00% | 1 | 0.01% | 2 | 0.02% | 1 | 0.01% | 4 |
| 1078 | KIAA0276 | D87466 | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 2 | 0.01% | 4 |
| 1079 | KIAA0429 | AB007889 | 0 | 0.00% | 1 | 0.01% | 3 | 0.02% | 0 | 0.00% | 4 |
| 1080 | KIAA0477 | AB007946.1 | 0 | 0.00% | 3 | 0.02% | 1 | 0.01% | 0 | 0.00% | 4 |
| 1081 | KIAA0660 | AB014560 | 3 | 0.02% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 4 |
| 1082 | KIAA0671 | AB014571.1 | 1 | 0.01% | 2 | 0.01% | 0 | 0.00% | 1 | 0.01% | 4 |
| 1083 | KIAA0693 | AB014593 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 2 | 0.01% | 4 |
| 1084 | KIAA0971 | AB023188.1 | 0 | 0.00% | 2 | 0.01% | 2 | 0.02% | 0 | 0.00% | 4 |
| 1085 | KIAA1102 | AB029025.1 | 0 | 0.00% | 1 | 0.01% | 2 | 0.02% | 1 | 0.01% | 4 |
| 1086 | KIAA1354 | AB037775 | 1 | 0.01% | 3 | 0.02% | 0 | 0.00% | 0 | 0.00% | 4 |
| 1087 | KIAA1376 protein | AB037797.1 | 1 | 0.01% | 2 | 0.01% | 0 | 0.00% | 1 | 0.01% | 4 |
| 1088 | KIAA1380 protein | AB037801.1 | 0 | 0.00% | 1 | 0.01% | 2 | 0.02% | 1 | 0.01% | 4 |
| 1089 | KIAA1451 protein | AB040884 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 4 | 0.03% | 4 |
| 1090 | mesenchymal stem cell protein DSC92 (LOC513 NM_016645.1 | | 0 | 0.00% | 3 | 0.02% | 0 | 0.00% | 1 | 0.01% | 4 |
| 1091 | nickel-specific induction protein (Cap43) | AF004162.1 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 2 | 0.01% | 4 |
| 1092 | NifU-like protein (hNifU) | U47101 | 0 | 0.00% | 2 | 0.01% | 2 | 0.02% | 0 | 0.00% | 4 |
| 1093 | Nuclear antigen Sp100 (SP100) | NM_003113.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 3 | 0.02% | 4 |
| 1094 | PRO1608 | AF119850.1 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 2 | 0.01% | 4 |
| 1095 | PRO1828 | AF116669.1 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 | 0.01% | 4 |
| 1096 | promyelocytic leukemia cell | M11948 | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 2 | 0.01% | 4 |
| 1097 | squamous cell carcinoma antigen recognized by NM_013352.1 | | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 2 | 0.01% | 4 |
| 1098 | STAT-induced STAT inhibitor-2 | AF037989 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 2 | 0.01% | 4 |
| 1099 | vesicle transport-related protein | AF110646.1 | 0 | 0.00% | 1 | 0.01% | 3 | 0.02% | 0 | 0.00% | 4 |

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|--|-------------|---|-------|---|-------|---|-------|---|-------|---|
| 1100 phosphoglucosyltransferase 1 (PGM1) | M83088 | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 2 | 0.01% | 4 |
| 1101 transaldolase | L19437.2 | 3 | 0.02% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 4 |
| 1102 nucleotide binding protein, estradiol-induced (E2 NM_014366.1) | | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 2 | 0.01% | 4 |
| 1103 PDNP1 gene (nucleotide pyrophosphatase) | AF110304.1 | 0 | 0.00% | 2 | 0.01% | 1 | 0.01% | 1 | 0.01% | 4 |
| 1104 phosphoribosyl pyrophosphate synthetase subunit D00860.1 | | 1 | 0.01% | 1 | 0.01% | 1 | 0.01% | 1 | 0.01% | 4 |
| 1105 dihydrolipoamide dehydrogenase | J03620 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 3 | 0.02% | 4 |
| 1106 lecithin-cholesterol acyltransferase (LCAT) | X04981.1 | 3 | 0.02% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 4 |
| 1107 phosphatase 1, catalytic subunit, gamma isoform NM_002710.1 | | 0 | 0.00% | 0 | 0.00% | 3 | 0.02% | 1 | 0.01% | 4 |
| 1108 phospholipid sCRamblase 1 PLSCR1) | AF098642 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 2 | 0.01% | 4 |
| 1109 serine palmitoyl transferase | AF111168.2 | 1 | 0.01% | 2 | 0.01% | 1 | 0.01% | 0 | 0.00% | 4 |
| 1110 cytochrome oxidase subunit I (COI) and subunit AF035429.1 | | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 2 | 0.01% | 4 |
| 1111 cytochrome-c oxidase subunit VIIaL precursor (C AF134406.1 | | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 3 | 0.02% | 4 |
| 1112 electron-transfer-flavoprotein, beta polypeptide (I X71129 | | 4 | 0.03% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 4 |
| 1113 NADH-ubiquinone oxidoreductase B17 | AF067167.1 | 1 | 0.01% | 2 | 0.01% | 0 | 0.00% | 1 | 0.01% | 4 |
| 1114 ubiquinol-cytochrome c reductase (6.4kD) subunit NM_006830.1 | | 2 | 0.01% | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 4 |
| 1115 acidic protein rich in leucines (SSP29) | NM_006401.1 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 | 0.01% | 4 |
| 1116 Lysyl tRNA Synthetase | D32053.1 | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 2 | 0.01% | 4 |
| 1117 methionine aminopeptidase | U29607 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 2 | 0.01% | 4 |
| 1118 eIF4E-like cap-binding protein (4EHP) (=translat NM_004846.1 | | 3 | 0.02% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 4 |
| 1119 proteasome-associated pad1 homologue (POH1 U86782 | | 2 | 0.01% | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 4 |
| 1120 wbsCR1 (WBSCR1) | AF045555.1 | 1 | 0.01% | 1 | 0.01% | 1 | 0.01% | 1 | 0.01% | 4 |
| 1121 basic transcription factor 3 (RefSeq aa 4e-39) | NP_001198.1 | 1 | 0.01% | 2 | 0.01% | 1 | 0.01% | 0 | 0.00% | 4 |
| 1122 isolate 5 12S ribosomal RNA gene | AF121220.1 | 0 | 0.00% | 3 | 0.02% | 1 | 0.01% | 0 | 0.00% | 4 |
| 1123 cathepsin F (CATSF) | AF071749 | 2 | 0.01% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 4 |
| 1124 metalloproteinase inhibitor TIMP-2 | AF127803.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 3 | 0.02% | 4 |
| 1125 protease inhibitor 6 (placental thrombin inhibitor) NM_004568.1 | | 0 | 0.00% | 4 | 0.02% | 0 | 0.00% | 0 | 0.00% | 4 |
| 1126 proteasome (prosome, macropain) subunit, alpha NM_002788.1 | | 1 | 0.01% | 1 | 0.01% | 1 | 0.01% | 1 | 0.01% | 4 |
| 1127 proteasome subunit Y (=X61971 macropain subunit D29012 | | 3 | 0.02% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 4 |
| 1128 protein activator of the interferon-induced protein AF072860 | | 2 | 0.01% | 0 | 0.00% | 2 | 0.02% | 0 | 0.00% | 4 |
| 1129 peptidylprolyl isomerase F (cyclophilinF) (RefSeq NP_005720.1 | | 0 | 0.00% | 4 | 0.02% | 0 | 0.00% | 0 | 0.00% | 4 |
| 1130 CCAAT/enhancer binding protein (C/EBP), delta 4885130 | | 0 | 0.00% | 3 | 0.02% | 0 | 0.00% | 1 | 0.01% | 4 |
| 1131 CLP (CLPP) | L54057.1 | 1 | 0.01% | 1 | 0.01% | 1 | 0.01% | 1 | 0.01% | 4 |
| 1132 necdin | AB007828 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 | 0.01% | 4 |
| 1133 oxidoreductase UCPA (RefSeq aa 4e-82) | NP_064524.1 | 0 | 0.00% | 4 | 0.02% | 0 | 0.00% | 0 | 0.00% | 4 |
| 1134 ring finger protein (C3H2C3 type) 6 (RNF6) | NM_005977.1 | 0 | 0.00% | 0 | 0.00% | 3 | 0.02% | 1 | 0.01% | 4 |
| 1135 TPRC (=X97124 papillary renal cell carcinoma (I X99720 | | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 2 | 0.01% | 4 |
| 1136 trinucleotide repeat DNA binding protein p20-CG AF094481 | | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 3 | 0.02% | 4 |
| 1137 twist gene | Y10871.1 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 2 | 0.01% | 4 |
| 1138 Zinc finger protein expressed in cerebellum (KF1NM_005667.1 | | 0 | 0.00% | 2 | 0.01% | 2 | 0.02% | 0 | 0.00% | 4 |
| 1139 glycyl-tRNA synthetase; glycine tRNA ligase (Ref NP_002038.1 | | 1 | 0.01% | 3 | 0.02% | 0 | 0.00% | 0 | 0.00% | 4 |
| 1140 heterogeneous nuclear ribonucleoprotein H3 (2f NM_021644.1 | | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 2 | 0.01% | 4 |
| 1141 heterogenous nuclear RNA W16W | X17272 | 0 | 0.00% | 0 | 0.00% | 4 | 0.03% | 0 | 0.00% | 4 |
| 1142 nuclear matrix protein 55 | U89867.1 | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 2 | 0.01% | 4 |
| 1143 RNA binding motif protein 3 (RBM3) (=U28686) | 5803136 | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 2 | 0.01% | 4 |
| 1144 RNA binding motif protein 5 (RBM5) | AF091263.1 | 3 | 0.02% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 4 |
| 1145 snRNP protein B | X17567 | 3 | 0.02% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 4 |
| 1146 splicing factor 3b, subunit 2, 145kD (SF3B2) | NM_006842.1 | 2 | 0.01% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 4 |
| 1147 splicing factor, arginine/serine-rich 4 (SFRS4) | NM_005626.1 | 2 | 0.01% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 4 |
| 1148 U13 snRNA pseudogene U13.4B | X58062.1 | 0 | 0.00% | 4 | 0.02% | 0 | 0.00% | 0 | 0.00% | 4 |
| 1149 MIL1 protein (MIL1), nuclear gene encoding mitc NM_015367.1 | | 0 | 0.00% | 4 | 0.02% | 0 | 0.00% | 0 | 0.00% | 4 |
| 1150 HLA class-I (HLA-A26) heavy chain | D32129.1 | 0 | 0.00% | 4 | 0.02% | 0 | 0.00% | 0 | 0.00% | 4 |
| 1151 antigen identified by monoclonal antibodies 12E: NM_002414.1 | | 3 | 0.02% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 4 |
| 1152 DNAJ domain-containing protein MCJ (MCJ) | AF126743.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 3 | 0.02% | 4 |
| 1153 hepatocellular carcinoma-associated antigen 33 AF244137.1 | | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 | 0.01% | 4 |
| 1154 sperm antigen-36 | AF187554.1 | 0 | 0.00% | 0 | 0.00% | 2 | 0.02% | 2 | 0.01% | 4 |
| 1155 Tax1 (human T-cell leukemia virus type I) bindin NM_006024.2 | | 0 | 0.00% | 2 | 0.01% | 1 | 0.01% | 1 | 0.01% | 4 |
| 1156 isolate Liv chaperone protein HSP90 beta (HSP: AF275719.1 | | 3 | 0.02% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 4 |
| 1157 membrane component, chromosome 11, surface NM_005898.1 | | 2 | 0.01% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 4 |

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| 1158 putative transmembrane protein E3-16 | AF092128.1 | 0 | 0.00% | 0 | 0.00% | 3 | 0.02% | 1 | 0.01% | 4 |
| 1159 tetraspan TM4SF (TSPAN-2) | AF054839.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 3 | 0.02% | 4 |
| 1160 coagulation factor XIII, A1 polypeptide (F13A1) | NM_000129.1 | 1 | 0.01% | 3 | 0.02% | 0 | 0.00% | 0 | 0.00% | 4 |
| 1161 platelet-activating factor acetylhydrolase, isoform | 4557740 | 1 | 0.01% | 1 | 0.01% | 1 | 0.01% | 1 | 0.01% | 4 |
| 1162 transferrin receptor (TFRC) gene | AF187320 | 0 | 0.00% | 2 | 0.01% | 1 | 0.01% | 1 | 0.01% | 4 |
| 1163 divalent cation tolerant protein CUTA (LOC51591) | 7706243 | 0 | 0.00% | 3 | 0.02% | 0 | 0.00% | 1 | 0.01% | 4 |
| 1164 CGI-120 protein (LOC51644) | NM_016057.1 | 2 | 0.01% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 4 |
| 1165 CGI-127 protein | AF151885.1 | 0 | 0.00% | 2 | 0.01% | 1 | 0.01% | 1 | 0.01% | 4 |
| 1166 CGI-139 protein (=AF078858 PTD003) | AF151897.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 3 | 0.02% | 4 |
| 1167 CGI-31 protein (LOC51075), | NM_015959.1 | 1 | 0.01% | 3 | 0.02% | 0 | 0.00% | 0 | 0.00% | 4 |
| 1168 CGI-34 protein | AF132968.1 | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 2 | 0.01% | 4 |
| 1169 CGI-39 protein | AF132973.1 | 4 | 0.03% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 4 |
| 1170 CGI-74 protein | AF151832.1 | 1 | 0.01% | 2 | 0.01% | 0 | 0.00% | 1 | 0.01% | 4 |
| 1171 echinoderm miCRotubule-associated protein hor | U97018 | 3 | 0.02% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 4 |
| 1172 pericentrin (Pcnt) | U05823 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 | 0.01% | 4 |
| 1173 MLL septin-like fusion protein MSF-A | AF189713.2 | 4 | 0.03% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 4 |
| 1174 nebulin (NEBL) | Y16241 | 0 | 0.00% | 2 | 0.01% | 2 | 0.02% | 0 | 0.00% | 4 |
| 1175 myosin light chain 2 | NM_013292.1 | 4 | 0.03% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 4 |
| 1176 coxsackievirus and adenovirus receptor (CXADR) | AF200465.1 | 1 | 0.01% | 2 | 0.01% | 0 | 0.00% | 1 | 0.01% | 4 |
| 1177 discoidin domain receptor family, member 2 (DD) | NM_006182.1 | 0 | 0.00% | 4 | 0.02% | 0 | 0.00% | 0 | 0.00% | 4 |
| 1178 epidermal growth factor receptor, precursor | X00588 | 0 | 0.00% | 0 | 0.00% | 4 | 0.03% | 0 | 0.00% | 4 |
| 1179 insulin receptor | L07782 | 1 | 0.01% | 2 | 0.01% | 0 | 0.00% | 1 | 0.01% | 4 |
| 1180 leptin receptor (ORF) | U66496 | 1 | 0.01% | 2 | 0.01% | 1 | 0.01% | 0 | 0.00% | 4 |
| 1181 microvascular endothelial differentiation gene 1 | AB026908.1 | 0 | 0.00% | 2 | 0.01% | 1 | 0.01% | 1 | 0.01% | 4 |
| 1182 vanilloid receptor; CARKL and CTNS; TIP1; P2X | AF168787.1 | 2 | 0.01% | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 4 |
| 1183 vitiligo-associated protein VIT-1 (VIT1) (=DKFZp | AF264714.1 | 0 | 0.00% | 2 | 0.01% | 1 | 0.01% | 1 | 0.01% | 4 |
| 1184 epithelial protein lost in neoplasm beta (EPLIN) | NM_016357.1 | 0 | 0.00% | 0 | 0.00% | 3 | 0.02% | 1 | 0.01% | 4 |
| 1185 mitogen-activated protein kinase 3 (MAP4K3) | 4506376 | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 2 | 0.01% | 4 |
| 1186 protein-kinase, interferon-inducible double strand | NP_006251.1 | 1 | 0.01% | 2 | 0.01% | 1 | 0.01% | 0 | 0.00% | 4 |
| 1187 ser-thr protein kinase PK428 | U59305 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 3 | 0.02% | 4 |
| 1188 signal transducer and activator of transcription 1 | NM_007315.1 | 2 | 0.01% | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 4 |
| 1189 angiopoietin-like 1 (ANGPTL1) | NM_004673.1 | 0 | 0.00% | 1 | 0.01% | 2 | 0.02% | 1 | 0.01% | 4 |
| 1190 lens epithelium-derived growth factor gene, alter | AF199339.1 | 1 | 0.01% | 0 | 0.00% | 3 | 0.02% | 0 | 0.00% | 4 |
| 1191 transforming growth factor-beta 3 (TGF-beta 3) | X14891 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 3 | 0.02% | 4 |
| 1192 uncharacterized hypothalamus protein HARP11 | NM_018477.1 | 1 | 0.01% | 0 | 0.00% | 2 | 0.02% | 1 | 0.01% | 4 |
| 1193 calcium channel alpha1E subunit (CACNA1E) ge | AF223391.1 | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 2 | 0.01% | 4 |
| 1194 multiple PDZ domain protein (MPDZ) = | AF09341NM_003829.1 | 0 | 0.00% | 1 | 0.01% | 2 | 0.02% | 1 | 0.01% | 4 |
| 1195 heterochromatin-like protein 1 (HECH) | NM_016587.1 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 2 | 0.01% | 4 |
| 1196 high-glucose-regulated protein 8 (HGRG8) | AF192968.1 | 1 | 0.01% | 2 | 0.01% | 1 | 0.01% | 0 | 0.00% | 4 |
| 1197 BM-001 (=cyclin L ania-5a) | AF208843.1 | 0 | 0.00% | 3 | 0.02% | 0 | 0.00% | 1 | 0.01% | 4 |
| 1198 caltractin (20kD calcium-binding protein) (CALT) | NM_004344.1 | 1 | 0.01% | 3 | 0.02% | 0 | 0.00% | 0 | 0.00% | 4 |
| 1199 cullin 1 (CUL1)+D1167 | AF062536.1 | 0 | 0.00% | 1 | 0.01% | 3 | 0.02% | 0 | 0.00% | 4 |
| 1200 cyclin D2(=KIAK0002 gene) | NM_001759.1 | 2 | 0.01% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 4 |
| 1201 M phase phosphoprotein 10 | X98494 | 0 | 0.00% | 0 | 0.00% | 4 | 0.03% | 0 | 0.00% | 4 |
| 1202 prefoldin 1 (PFDN1) | NM_002622.1 | 1 | 0.01% | 2 | 0.01% | 0 | 0.00% | 1 | 0.01% | 4 |
| 1203 brain cellular apoptosis susceptibility protein (CS | AF053641 | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 2 | 0.01% | 4 |
| 1204 p66shc (SHC) | U73377.1 | 3 | 0.02% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 4 |
| 1205 adrenomedullin (ADM) | NM_001124.1 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 2 | 0.01% | 4 |
| 1206 BUB3 (budding uninhibited by benzimidazoles 3, | NM_004725.1 | 0 | 0.00% | 3 | 0.02% | 0 | 0.00% | 1 | 0.01% | 4 |
| 1207 proto-oncogene tyrosine-protein kinase (ABL) ge | U07563.1 | 1 | 0.01% | 0 | 0.00% | 2 | 0.02% | 1 | 0.01% | 4 |
| 1208 tumor endothelial marker 8 (TEM8) | AF279145.1 | 0 | 0.00% | 3 | 0.02% | 0 | 0.00% | 1 | 0.01% | 4 |
| 1209 hypothetical protein (RefSeq aa 5e-76) | NP_057578.1 | 0 | 0.00% | 4 | 0.02% | 0 | 0.00% | 0 | 0.00% | 4 |
| 1210 KIAA0206 | D86961 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 2 | 0.01% | 4 |
| 1211 KIAA0877 | AB020684 | 3 | 0.02% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 4 |
| 1212 KIAA0993 | AB023210.1 | 1 | 0.01% | 2 | 0.01% | 0 | 0.00% | 2 | 0.01% | 4 |
| 1213 KIAA1436 protein | AB037857.1 | 3 | 0.02% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 4 |
| 1214 P311 protein (P311), mRNA /cds=(202,408) /gb= | Hs.142827 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 2 | 0.01% | 4 |
| 1215 small EDRK-rich factor 1, long isoform (SERF1) | AF073519.1 | 1 | 0.01% | 1 | 0.01% | 1 | 0.01% | 1 | 0.01% | 4 |

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|------|--|----------------|---|-------|---|-------|---|-------|---|-------|---|
| 1216 | v-yes-1 Yamaguchi sarcoma viral oncogene hon | NM_005433.1 | 1 | 0.01% | 0 | 0.00% | 2 | 0.02% | 1 | 0.01% | 4 |
| 1217 | vacuolar ATPase isoform VA68 | AF113129.1 | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 2 | 0.01% | 4 |
| 1218 | deoxyuridine triphosphatase(DUT) mRNA, comp | U62891.1 | 2 | 0.01% | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 4 |
| 1219 | steroid dehydrogenase homolog | AF078850.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 3 | 0.02% | 4 |
| 1220 | sterol carrier protein-X/sterol carrier protein-2 (S | U11313.1 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 2 | 0.01% | 4 |
| 1221 | translin | X78627 | 2 | 0.01% | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 4 |
| 1222 | ribosomal protein L36a (RefSeq aa 1e-54) | NP_000992.1 | 0 | 0.00% | 4 | 0.02% | 0 | 0.00% | 0 | 0.00% | 4 |
| 1223 | calpain-like protease (CANPX) | NM_014289.1 | 4 | 0.03% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 4 |
| 1224 | cysteinyl-tRNA synthetase | L06845.1 | 2 | 0.01% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 4 |
| 1225 | ubiquitin-like 3 (UBL3) | NM_007106.1 | 0 | 0.00% | 3 | 0.02% | 1 | 0.01% | 0 | 0.00% | 4 |
| 1226 | YY1 transcription factor (YY1) | NM_003403.2 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 2 | 0.01% | 4 |
| 1227 | SR protein (RNPS1) | AF015608.1 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 | 0.01% | 4 |
| 1228 | major histocompatibility complex, class II, DR al | NP_061984.1 | 0 | 0.00% | 4 | 0.02% | 0 | 0.00% | 0 | 0.00% | 4 |
| 1229 | epb72 | X85117 | 0 | 0.00% | 0 | 0.00% | 2 | 0.02% | 2 | 0.01% | 4 |
| 1230 | putative type II membrane protein (HP10390), (C | NM_014255.1 | 2 | 0.01% | 0 | 0.00% | 2 | 0.02% | 0 | 0.00% | 4 |
| 1231 | metallothionein 1X (MT1X) gene | X65607.1 | 0 | 0.00% | 3 | 0.02% | 0 | 0.00% | 1 | 0.01% | 4 |
| 1232 | ionizing radiation resistance conferring protein (= | U18321 | 2 | 0.01% | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 4 |
| 1233 | CGI-116 protein(LOC51019)(ORF)= AF155655 ; | NM_016053.1 | 0 | 0.00% | 2 | 0.01% | 1 | 0.01% | 1 | 0.01% | 4 |
| 1234 | actin2 | D12816.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 4 | 0.03% | 4 |
| 1235 | tropomyosin | M19267 | 2 | 0.01% | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 4 |
| 1236 | integral membrane protein 2B (ITM2B), mRNA /c | Hs.239625 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 3 | 0.02% | 4 |
| 1237 | inactive progesterone receptor, 23 kD (P23) = L | NM_006601.1 | 0 | 0.00% | 1 | 0.01% | 2 | 0.02% | 1 | 0.01% | 4 |
| 1238 | RAN binding protein 1 (RANBP1), low match | NM_002882.2 | 4 | 0.03% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 4 |
| 1239 | voltage-dependent anion channel isoform 1 (VD) | L06132 | 3 | 0.02% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 4 |
| 1240 | histone acetyltransferase 1 | AF030424 | 0 | 0.00% | 1 | 0.01% | 2 | 0.02% | 1 | 0.01% | 4 |
| 1241 | Nijmegen breakage syndrome 1 (nibrin) (NBS1) | NM_002485.2 | 1 | 0.01% | 2 | 0.01% | 1 | 0.01% | 0 | 0.00% | 4 |
| 1242 | apoptosis-related protein TFAR15 (TFAR15) | AF022385 | 0 | 0.00% | 1 | 0.01% | 3 | 0.02% | 0 | 0.00% | 4 |
| 1243 | septin 2-like cell division control protein | AF146760.1 | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 2 | 0.01% | 4 |
| 1244 | tumor antigen (L6) | M90657.1 | 2 | 0.01% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 4 |
| 1245 | hypothetical 43.2 Kd protein (RefSeq aa 7e-35) | NP_057050.1 | 0 | 0.00% | 4 | 0.02% | 0 | 0.00% | 0 | 0.00% | 4 |
| 1246 | KIAA0592 (ORF) | AB011164 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 2 | 0.01% | 4 |
| 1247 | KIAA0829 | AB020636 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 3 | 0.02% | 4 |
| 1248 | KIAA1265 | AB033091 | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 2 | 0.01% | 4 |
| 1249 | murine mammary tumor integration site 6(oncog | NP_001559.1 | 0 | 0.00% | 4 | 0.02% | 0 | 0.00% | 0 | 0.00% | 4 |
| 1250 | PC3 cell line (TL27) | X75684.1 | 1 | 0.01% | 3 | 0.02% | 0 | 0.00% | 0 | 0.00% | 4 |
| 1251 | small acidic protein (IMAGE145052) | NM_014267.1 | 0 | 0.00% | 1 | 0.01% | 2 | 0.02% | 1 | 0.01% | 4 |
| 1252 | lysophospholipase (LPL1) | AF081281 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 3 | 0.02% | 4 |
| 1253 | mitochondrial ATP synthase subunit 9 | U09813 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 | 0.01% | 4 |
| 1254 | hXBP-1 transcription factor DNA (=TREB protein | L13850.1 | 0 | 0.00% | 2 | 0.01% | 1 | 0.01% | 1 | 0.01% | 4 |
| 1255 | zinc finger protein(MAZ) | M94046 | 4 | 0.03% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 4 |
| 1256 | KARP-1-binding protein 3 (=KIAA0470) | AB022659.1 | 1 | 0.01% | 1 | 0.01% | 1 | 0.01% | 1 | 0.01% | 4 |
| 1257 | miCROfibril-associated glycoprotein (MFAP2) | U19718 | 4 | 0.03% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 4 |
| 1258 | smooth muscle myosin alkali light chain | U02629.1 | 2 | 0.01% | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 4 |
| 1259 | novel growth factor receptor | M64347 | 3 | 0.02% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 4 |
| 1260 | inducible 6-phosphofructo-2-kinase/fructose 2,6- | AF056320 | 1 | 0.01% | 1 | 0.01% | 1 | 0.01% | 1 | 0.01% | 4 |
| 1261 | GTPase activating protein (rap1GAP) | M64788 | 2 | 0.01% | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 4 |
| 1262 | chromodomain helicase DNA binding protein 1 (I | NP_001261.1 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 2 | 0.01% | 4 |
| 1263 | topoisomerase IIb mRNA,(= TOP2 mRNA for DN | U54831.1 | 1 | 0.01% | 2 | 0.01% | 1 | 0.01% | 0 | 0.00% | 4 |
| 1264 | CUG triplet repeat,RNA-binding protein 2 (CUG | NM_005561.1 | 1 | 0.01% | 2 | 0.01% | 1 | 0.01% | 0 | 0.00% | 4 |
| 1265 | retinoblastoma 1 (including osteosarcoma) (RB1 | NM_000321.1 | 0 | 0.00% | 1 | 0.01% | 2 | 0.02% | 0 | 0.00% | 3 |
| 1266 | lectin, galactoside-binding, soluble, 3 (galectin | 3' NM_002306.1 | 0 | 0.00% | 2 | 0.01% | 1 | 0.01% | 0 | 0.00% | 3 |
| 1267 | guanine nucleotide binding protein (G protein), a | NM_006496.1 | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 1 | 0.01% | 3 |
| 1268 | protein phosphatase 2A B56-epsilon (PP2A) | L76703 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 | 0.01% | 3 |
| 1269 | COX VIa-L cytochrome c oxidase liver-specific | s X15341.1 | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 3 |
| 1270 | VDUP1 upregulated by 1,25-dihydroxyvitamin D- | NM_006472.1 | 0 | 0.00% | 3 | 0.02% | 0 | 0.00% | 0 | 0.00% | 3 |
| 1271 | reticulocalbin 1, EF-hand calcium binding domai | NM_002901.1 | 1 | 0.01% | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 3 |
| 1272 | NADH dehydrogenase (ubiquinone) 1 beta subo | NM_002492.1 | 1 | 0.01% | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 3 |
| 1273 | translation initiation factor A121/Sui1 (A121/SUI | AF100737 | 3 | 0.02% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 3 |

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|------|---|---|-------|---|-------|---|-------|---|-------|---|
| 1274 | proteasome (prosome macropain) 26S subunit, NM_002802.1 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 3 |
| 1275 | integrin, beta 5 (ITGB5) NM_002213.1 | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 1 | 0.01% | 3 |
| 1276 | plasma membrane calcium ATPase isoform 1 (AL14561) | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 1 | 0.01% | 3 |
| 1277 | mannosidase, alpha, class 1A, member 2 (MAN1) NM_006699.1 | 0 | 0.00% | 3 | 0.02% | 0 | 0.00% | 0 | 0.00% | 3 |
| 1278 | delta-like homolog (Drosophila) (DLK1) (= adrenergic NM_003836.1 | 3 | 0.02% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 3 |
| 1279 | FAT tumor suppressor (Drosophila) homolog NP_005236.1 | 0 | 0.00% | 1 | 0.01% | 2 | 0.02% | 0 | 0.00% | 3 |
| 1280 | FUS glycine rich protein X71428.1 | 3 | 0.02% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 3 |
| 1281 | eukaryotic translation elongation factor 1 delta (eIF1) NM_001960.1 | 3 | 0.02% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 3 |
| 1282 | ubiquitin-conjugating enzyme E2 AB017644.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 2 | 0.01% | 3 |
| 1283 | thyroid hormone receptor interactor 12 (TRIP12) NM_004238.1 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 1 | 0.01% | 3 |
| 1284 | IMP (inosine monophosphate) dehydrogenase 2 NM_000884.1 | 1 | 0.01% | 0 | 0.00% | 2 | 0.02% | 0 | 0.00% | 3 |
| 1285 | major histocompatibility complex, class II, DR beta NM_002124.1 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 3 |
| 1286 | DNA topoisomerase II (TOP2) Z15115 | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 3 |
| 1287 | laminin, beta 1 (LAMB1) NM_002291.1 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 3 |
| 1288 | human alpha-tubulin AF141348.1 | 3 | 0.02% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 3 |
| 1289 | nerve growth factor (HBNF-1) (= OSF-1) (= pleiotrophin) M57399.1 | 1 | 0.01% | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 3 |
| 1290 | ras-related C3 botulinum toxin substrate (rac) M29870 | 1 | 0.01% | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 3 |
| 1291 | voltage dependent anion channel form 3 (= AF01) U90943 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 | 0.01% | 3 |
| 1292 | polymerase (DNA directed) delta 2, regulatory subunit NM_006230.1 | 3 | 0.02% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 3 |
| 1293 | guanylate binding protein isoform II (GBP-2) M55543 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 2 | 0.01% | 3 |
| 1294 | HSPC328 AF161446.1 | 1 | 0.01% | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 3 |
| 1295 | spinocerebellar ataxia 1 (olivopontocerebellar ataxia) NM_000332.1 | 0 | 0.00% | 1 | 0.01% | 2 | 0.02% | 0 | 0.00% | 3 |
| 1296 | ATP-binding cassette, sub-family A (ABC1), member 6005701 | 0 | 0.00% | 1 | 0.01% | 2 | 0.02% | 0 | 0.00% | 3 |
| 1297 | galactosidase, alpha (GLA) NM_000169.1 | 1 | 0.01% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 3 |
| 1298 | glucose regulated protein, 58kD (GRP58) NM_005313.1 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 1 | 0.01% | 3 |
| 1299 | dihydrodiol dehydrogenase 2 (trans-1,2-dihydroxy) NP_001345.1 | 0 | 0.00% | 3 | 0.02% | 0 | 0.00% | 0 | 0.00% | 3 |
| 1300 | squalene epoxidase D78129 | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 3 |
| 1301 | CYTOCHROME C OXIDASE POLYPEPTIDE VI spP15954 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 | 0.01% | 3 |
| 1302 | cytochrome c oxidase subunit III (RefSeq aa 1e-gi5835394 | 0 | 0.00% | 3 | 0.02% | 0 | 0.00% | 0 | 0.00% | 3 |
| 1303 | methionine adenosyltransferase alpha subunit L43509 | 1 | 0.01% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 3 |
| 1304 | Krueppel-related DNA-binding protein (PF4) M61866 | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 1 | 0.01% | 3 |
| 1305 | RING zinc finger protein (RZF) AF037204 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 2 | 0.01% | 3 |
| 1306 | RNA helicase AJ223948 | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 1 | 0.01% | 3 |
| 1307 | Glutathione transferase omega (GSTO1) AF212303.1 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 3 |
| 1308 | L-isoaspartyl/D-aspartyl protein carboxyl methyltransferase M93009 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 2 | 0.01% | 3 |
| 1309 | collagen type V alpha 1 (COL5A1) D90279 | 3 | 0.02% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 3 |
| 1310 | interferon gamma receptor 2 (interferon gamma receptor) 5031782 | 0 | 0.00% | 2 | 0.01% | 1 | 0.01% | 0 | 0.00% | 3 |
| 1311 | nuclear receptor subfamily 3, group C, member 1 NM_000176.1 | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 1 | 0.01% | 3 |
| 1312 | insulin-like growth factor binding protein-3 X64875 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 3 |
| 1313 | potassium channel modulatory factor (=DKFZp4:AF155652.1 | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 3 |
| 1314 | cyclin protein M15796 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 | 0.01% | 3 |
| 1315 | nuclear phosphoprotein similar to S. cerevisiae NM_007062.1 | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 3 |
| 1316 | COP9 complex subunit 4 (LOC51138) NM_016129.1 | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 1 | 0.01% | 3 |
| 1317 | endomembrane protein EMP70 precursor isoform U95973 | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 3 |
| 1318 | KIAA0695 AB014595 | 0 | 0.00% | 1 | 0.01% | 2 | 0.02% | 0 | 0.00% | 3 |
| 1319 | KIAA0769 gene product (KIAA0769) NM_014824.1 | 1 | 0.01% | 0 | 0.00% | 2 | 0.02% | 0 | 0.00% | 3 |
| 1320 | neuronal protein X79682 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 3 |
| 1321 | NRAS-related gene (D1S155E) (=DKFZp586J06) NM_007158.1 | 1 | 0.01% | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 3 |
| 1322 | RAB13, member RAS oncogene family (RAB13) NM_002870.1 | 1 | 0.01% | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 3 |
| 1323 | retrotransposon 3' long terminal repeat Z48633 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 2 | 0.01% | 3 |
| 1324 | sex-regulated protein janus A S77099 | 3 | 0.02% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 3 |
| 1325 | ATPase, Ca transporting, cardiac muscle, slow NM_001681.1 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 3 |
| 1326 | cysteine protease D55696.1 | 1 | 0.01% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 3 |
| 1327 | protein-tyrosine-phosphatase G1 D13380.1 | 2 | 0.01% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 3 |
| 1328 | adipocyte acid phosphatase beta (=phenylarsine) S62885.1 | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 1 | 0.01% | 3 |
| 1329 | ATP SYNTHASE PROTEIN 8 (A6L) P03928 | 0 | 0.00% | 3 | 0.02% | 0 | 0.00% | 0 | 0.00% | 3 |
| 1330 | hinge=OXPHOS system complex III S61826 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 2 | 0.01% | 3 |
| 1331 | mitochondrial aldehyde dehydrogenase (ALDH1) Y00109 | 1 | 0.01% | 0 | 0.00% | 2 | 0.02% | 0 | 0.00% | 3 |

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|------|---|--------------------|---|-------|---|-------|---|-------|---|-------|---|
| 1332 | NADH dehydrogenase (ubiquinone) 1, subcomp | NM_002494.1 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 3 |
| 1333 | NADH dehydrogenase (ubiquinone) Fe-S protein | NM_004553.1 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 3 |
| 1334 | Na,K-ATPase beta subunit (ATP1B) | M25160 | 1 | 0.01% | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 3 |
| 1335 | wingless-type MMTV integration site family, men | NM_004185.1 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 1 | 0.01% | 3 |
| 1336 | alpha-1-antichymotrypsin, precursor;actichymotr | NP_001076.1 | 0 | 0.00% | 3 | 0.02% | 0 | 0.00% | 0 | 0.00% | 3 |
| 1337 | cystatin C | X52255 | 3 | 0.02% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 3 |
| 1338 | proteasome (prosome, macropain) 26S subunit, | NM_002804.1 | 3 | 0.02% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 3 |
| 1339 | sorting nexin 2 (SNX2) | AF065482.1 | 0 | 0.00% | 1 | 0.01% | 2 | 0.02% | 0 | 0.00% | 3 |
| 1340 | DiGeorge syndrome critical region gene 6 (DGC | NM_005675.1 | 2 | 0.01% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 3 |
| 1341 | ubiquitin-conjugating enzyme E2L 3 (UBE2L3) | NM_003347.1 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 1 | 0.01% | 3 |
| 1342 | Cdc5-related protein (PCDC5RP) (=AB007892.1 | U86753.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 3 | 0.02% | 3 |
| 1343 | CGI-99 protein = homeobox prox 1= | AF100755: AF151857 | 0 | 0.00% | 0 | 0.00% | 2 | 0.02% | 1 | 0.01% | 3 |
| 1344 | jun B proto-oncogene (JUNB) | NM_002229.1 | 3 | 0.02% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 3 |
| 1345 | mSin3A (sin3A) | U22394 | 0 | 0.00% | 0 | 0.00% | 2 | 0.02% | 1 | 0.01% | 3 |
| 1346 | retinoblastoma-binding protein 7 (RBBP7) | NM_002893.1 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 3 |
| 1347 | X-box binding protein 1 (RefSeq aa 3e-37) | NP_005071.1 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 1 | 0.01% | 3 |
| 1348 | zinc finger protein 133 (clone pHZ-13) (ZNF133) | NM_003434.1 | 1 | 0.01% | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 3 |
| 1349 | dead box, X isoform (DBX) | AF000982.1 | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 3 |
| 1350 | six transmembrane epithelial antigen of prostate | AF186249.1 | 1 | 0.01% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 3 |
| 1351 | coatomer protein complex, subunit beta 2 (beta | NM_004766.1 | 0 | 0.00% | 1 | 0.01% | 2 | 0.02% | 0 | 0.00% | 3 |
| 1352 | helicase II (RAD54L) (=ATRX) | U09820 | 0 | 0.00% | 2 | 0.01% | 1 | 0.01% | 0 | 0.00% | 3 |
| 1353 | topoisomerase (DNA) II alpha (170kD) (TOP2A) | NM_001067.1 | 0 | 0.00% | 2 | 0.01% | 1 | 0.01% | 0 | 0.00% | 3 |
| 1354 | cytochrome succinate dehydrogenase, small sub | AB026906.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 2 | 0.01% | 3 |
| 1355 | GTT1 | AF270647 | 1 | 0.01% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 3 |
| 1356 | major histocompatibility locus class III regions | AF109905 | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 3 |
| 1357 | prenylated rab acceptor 1 (PRA1) | AF025506 | 3 | 0.02% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 3 |
| 1358 | CGI-49 protein | AF151807.1 | 0 | 0.00% | 1 | 0.01% | 2 | 0.02% | 0 | 0.00% | 3 |
| 1359 | spindle pole body protein spc98 homologue GC | AF042378 | 0 | 0.00% | 1 | 0.01% | 2 | 0.02% | 0 | 0.00% | 3 |
| 1360 | chondroitin sulfate proteoglycan 4 (melanoma-a | NM_001897.1 | 3 | 0.02% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 3 |
| 1361 | ankyrin G (ANK-3) | U13616.1 | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 3 |
| 1362 | spectrin beta protein (pAZSP 3' end) | X91849.2 | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 3 |
| 1363 | cold inducible RNA-binding protein (CIRBP) | NM_001280.1 | 2 | 0.01% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 3 |
| 1364 | lamin A | M13452 | 3 | 0.02% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 3 |
| 1365 | phosphatidylinositol glycan, class B (PIGB) | NM_004855.1 | 0 | 0.00% | 2 | 0.01% | 1 | 0.01% | 0 | 0.00% | 3 |
| 1366 | interleukin 13 receptor alpha 1 (IL13RA1) | NM_001560.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 2 | 0.01% | 3 |
| 1367 | retinoic acid suppression protein A (RSG-A) | AF038964.1 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 3 |
| 1368 | CDC28 protein kinase 1 (RefSeq aa 4e-44) | NP_001817.1 | 0 | 0.00% | 2 | 0.01% | 1 | 0.01% | 0 | 0.00% | 3 |
| 1369 | latent transforming growth factor beta binding pr | NM_000428.1 | 1 | 0.01% | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 3 |
| 1370 | fibroblast growth factor 7 (keratinocyte growth f | NM_002009.1 | 2 | 0.01% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 3 |
| 1371 | PDZ domain containing-protein (PDZK1) | AF012281 | 0 | 0.00% | 2 | 0.01% | 1 | 0.01% | 0 | 0.00% | 3 |
| 1372 | stanniocalcin 1 (STC1) | NM_003155.1 | 0 | 0.00% | 3 | 0.02% | 0 | 0.00% | 0 | 0.00% | 3 |
| 1373 | fer-1 (C. elegans)-like 3 (FER1L3) (=AF182317 | NM_013451.1 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 3 |
| 1374 | chromobox homolog 1(Drosophila HP1 beta) (C | NM_006807.1 | 2 | 0.01% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 3 |
| 1375 | telomeric repeat binding factor (TRF1) | U40705.1 | 1 | 0.01% | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 3 |
| 1376 | prefoldin 2 (PFDN2) | NM_012394.1 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 3 |
| 1377 | 15 kDa selenoprotein (SEP15), mRNA /cds=(4,4 | Hs.90606 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 2 | 0.01% | 3 |
| 1378 | 4F5rel | AF073298 | 3 | 0.02% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 3 |
| 1379 | androgen induced protein (AIG-1) (=AF151861 | AF153605.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 3 | 0.02% | 3 |
| 1380 | antigen NY-CO-1 (NY-CO-1) | AF039687.1 | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 3 |
| 1381 | ceroid-lipofuscinosis, neuronal 2, late infantile | (J NM_000391.2 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 1 | 0.01% | 3 |
| 1382 | CG3450 gene product [Drosophila melanogaster | AAF57398.1 | 0 | 0.00% | 0 | 0.00% | 2 | 0.02% | 1 | 0.01% | 3 |
| 1383 | ELK1 (ELK1) | AF080616 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 3 |
| 1384 | embryonic lung protein (HUEL) | AF006621.1 | 0 | 0.00% | 1 | 0.01% | 2 | 0.02% | 0 | 0.00% | 3 |
| 1385 | ENDOPLASMIN PRECURSOR (94 KD GLUCO: spP14625 | | 0 | 0.00% | 0 | 0.00% | 2 | 0.02% | 1 | 0.01% | 3 |
| 1386 | gene hY3 encoding a cytoplasmic Ro RNA | V00585.1 | 0 | 0.00% | 0 | 0.00% | 2 | 0.02% | 1 | 0.01% | 3 |
| 1387 | GS3955 | D87119 | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 3 |
| 1388 | HBV pX associated protein-B (LOC51773) | NM_016578.1 | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 1 | 0.01% | 3 |
| 1389 | HRIHFB2072 (=AF115778 M.musculus short coi | AB015335.1 | 0 | 0.00% | 1 | 0.01% | 2 | 0.02% | 0 | 0.00% | 3 |

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|--|-------------|---|-------|---|-------|---|-------|---|-------|---|
| 1390 HSPC004 | AF070660 | 0 | 0.00% | 0 | 0.00% | 2 | 0.02% | 1 | 0.01% | 3 |
| 1391 HSPC019 | AF077205.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 2 | 0.01% | 3 |
| 1392 HSPC033 protein (HSPC033) | NM_014041.1 | 1 | 0.01% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 3 |
| 1393 HSPC037 protein (LOC51659) | NM_016095.1 | 2 | 0.01% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 3 |
| 1394 HSPC158 protein (RefSeq aa 3e-87) | NP_054899.1 | 0 | 0.00% | 3 | 0.02% | 0 | 0.00% | 0 | 0.00% | 3 |
| 1395 HSPC161 | AF161510 | 0 | 0.00% | 0 | 0.00% | 2 | 0.02% | 1 | 0.01% | 3 |
| 1396 HSPC162 protein (HSPC162) | NM_014183.1 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 3 |
| 1397 HSPC218 | AF151052.1 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 3 |
| 1398 HSPC241 | AF151075.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 3 | 0.02% | 3 |
| 1399 HSPC275 | AF161393 | 0 | 0.00% | 3 | 0.02% | 0 | 0.00% | 0 | 0.00% | 3 |
| 1400 HSPC337 | AF161455.1 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 3 |
| 1401 HTGN29 protein (HTGN29) | NM_020199.1 | 0 | 0.00% | 3 | 0.02% | 0 | 0.00% | 0 | 0.00% | 3 |
| 1402 hyperion gene | AJ010770 | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 1 | 0.01% | 3 |
| 1403 hypothetical protein (RefSeq aa 5e-73) | NP_057016.1 | 0 | 0.00% | 3 | 0.02% | 0 | 0.00% | 0 | 0.00% | 3 |
| 1404 iduronate sulphate sulphatase (IDS) gene | L35485.1 | 1 | 0.01% | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 3 |
| 1405 KIAA0040 | D25539 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 1 | 0.01% | 3 |
| 1406 KIAA0065 (ZNF33A Kruppel-related) | D31763 | 1 | 0.01% | 0 | 0.00% | 2 | 0.02% | 0 | 0.00% | 3 |
| 1407 KIAA0076 | D38548 | 3 | 0.02% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 3 |
| 1408 KIAA0081 | D42039 | 1 | 0.01% | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 3 |
| 1409 KIAA0090 | D42044 | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 3 |
| 1410 KIAA0099 protein, partial cds | D43951.1 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 3 |
| 1411 KIAA0104 | D14660.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 | 0.01% | 3 |
| 1412 KIAA0121 | D50911 | 3 | 0.02% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 3 |
| 1413 KIAA0128 | D50918 | 3 | 0.02% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 3 |
| 1414 KIAA0146 | D63480 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 3 |
| 1415 KIAA0152 (cytotoxic T-cell membrane glycoprotein) | NM_014730.1 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 3 |
| 1416 KIAA0170 | D79992 | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 3 |
| 1417 KIAA0182 gene | D80004.1 | 0 | 0.00% | 3 | 0.02% | 0 | 0.00% | 0 | 0.00% | 3 |
| 1418 KIAA0188 | D80010 | 1 | 0.01% | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 3 |
| 1419 KIAA0205 | D86960 | 0 | 0.00% | 0 | 0.00% | 2 | 0.02% | 1 | 0.01% | 3 |
| 1420 KIAA0238 | D87075 | 0 | 0.00% | 0 | 0.00% | 2 | 0.02% | 1 | 0.01% | 3 |
| 1421 KIAA0255 gene | D87444 | 2 | 0.01% | 0 | 0.00% | 2 | 0.02% | 0 | 0.00% | 3 |
| 1422 KIAA0261 | D87450 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 2 | 0.01% | 3 |
| 1423 KIAA0262 | D87451 | 2 | 0.01% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 3 |
| 1424 KIAA0310 protein | AB002308.2 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 | 0.01% | 3 |
| 1425 KIAA0379 | AB002377 | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 1 | 0.01% | 3 |
| 1426 KIAA0419 gene product (KIAA0419) | NM_014711.1 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 3 |
| 1427 KIAA0443 gene product | NM_014710.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 2 | 0.01% | 3 |
| 1428 KIAA0458 | AB007927.1 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 3 |
| 1429 KIAA0461 | AB007930 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 | 0.01% | 3 |
| 1430 KIAA0484 | AB007953.1 | 1 | 0.01% | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 3 |
| 1431 KIAA0537 | AB011109 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 1 | 0.01% | 3 |
| 1432 KIAA0642 | AB014542 | 0 | 0.00% | 3 | 0.02% | 0 | 0.00% | 0 | 0.00% | 3 |
| 1433 KIAA0666 | AB014566 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 1 | 0.01% | 3 |
| 1434 KIAA0692 | AB014592.1 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 3 |
| 1435 KIAA0696 protein | AB014596 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 3 |
| 1436 KIAA0716 | AB018259.1 | 0 | 0.00% | 0 | 0.00% | 2 | 0.02% | 1 | 0.01% | 3 |
| 1437 KIAA0783 | AB018326.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 2 | 0.01% | 3 |
| 1438 KIAA0851 gene | AJ297357.1 | 1 | 0.01% | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 3 |
| 1439 KIAA0929 protein Msx2 interacting nuclear target | NM_015001.1 | 0 | 0.00% | 3 | 0.02% | 0 | 0.00% | 0 | 0.00% | 3 |
| 1440 KIAA0936 | AB023153.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 2 | 0.01% | 3 |
| 1441 KIAA0958 | AB023175.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 | 0.01% | 3 |
| 1442 KIAA0965 | AB023182.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 2 | 0.01% | 3 |
| 1443 KIAA1162 | AB032988.1 | 1 | 0.01% | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 3 |
| 1444 KIAA1212 protein | AB033038.1 | 2 | 0.01% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 3 |
| 1445 KIAA1288 | AB033114.1 | 0 | 0.00% | 2 | 0.01% | 1 | 0.01% | 0 | 0.00% | 3 |
| 1446 KIAA1311 | AB037732.1 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 1 | 0.01% | 3 |
| 1447 KIAA1439 | AB037860.1 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 1 | 0.01% | 3 |

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|---|-------------|---------|---------|---------|---------|---|
| 1448 KIAA1581 | AB046801 | 0 0.00% | 3 0.02% | 0 0.00% | 0 0.00% | 3 |
| 1449 L1 repetitive element ORF (aa 1e-23,75%) | B28096 | 0 0.00% | 3 0.02% | 0 0.00% | 0 0.00% | 3 |
| 1450 MDS016 (MDS016) | AF182417.1 | 0 0.00% | 3 0.02% | 0 0.00% | 0 0.00% | 3 |
| 1451 MO25 protein (LOC51719) (=cDNA FLJ20797 fit: NM_016289.1 | | 0 0.00% | 1 0.01% | 2 0.02% | 0 0.00% | 3 |
| 1452 myeloid cell nuclear differentiation antigen | M81750 | 0 0.00% | 1 0.01% | 1 0.01% | 1 0.01% | 3 |
| 1453 NDPP-1 protein | D10727.1 | 0 0.00% | 0 0.00% | 1 0.01% | 2 0.01% | 3 |
| 1454 Nm23 protein, involved in developmental regulat | X17620 | 1 0.01% | 0 0.00% | 0 0.00% | 2 0.01% | 3 |
| 1455 nuclear distribution gene C (A.nidulans) homolog | NM_006600.1 | 2 0.01% | 1 0.01% | 0 0.00% | 0 0.00% | 3 |
| 1456 P13-kinase associated p85 | M61906 | 0 0.00% | 2 0.01% | 1 0.01% | 0 0.00% | 3 |
| 1457 PEG3 (=AB006625 hypothetical protein (KIAA02 U90336 | | 3 0.02% | 0 0.00% | 0 0.00% | 0 0.00% | 3 |
| 1458 peroxisomal acyl-CoA: dihydroxyacetonephosph | AF043937 | 1 0.01% | 0 0.00% | 1 0.01% | 1 0.01% | 3 |
| 1459 PRO0657 | AAF24054.1 | 0 0.00% | 0 0.00% | 0 0.00% | 3 0.02% | 3 |
| 1460 PRO2550 | AF130089 | 0 0.00% | 3 0.02% | 0 0.00% | 0 0.00% | 3 |
| 1461 PTD015 | AF092136.1 | 0 0.00% | 1 0.01% | 0 0.00% | 2 0.01% | 3 |
| 1462 PTP1C/HCP gene | X82818.1 | 3 0.02% | 0 0.00% | 0 0.00% | 0 0.00% | 3 |
| 1463 Rab geranylgeranyltransferase, beta subunit (R | NM_004582.1 | 0 0.00% | 2 0.01% | 0 0.00% | 1 0.01% | 3 |
| 1464 retinal pigment epithelium | L07393.1 | 1 0.01% | 2 0.01% | 0 0.00% | 0 0.00% | 3 |
| 1465 retinol-binding protein 4, interstitial (RBP4) | NM_006744.2 | 0 0.00% | 3 0.02% | 0 0.00% | 0 0.00% | 3 |
| 1466 ribulose-5-phosphate-epimerase, (ORF) | AJ224326 | 0 0.00% | 2 0.01% | 0 0.00% | 1 0.01% | 3 |
| 1467 serologically defined colon cancer antigen 1 (SD | NM_004713.1 | 0 0.00% | 1 0.01% | 1 0.01% | 1 0.01% | 3 |
| 1468 Sid3177 | AB024935.1 | 0 0.00% | 0 0.00% | 1 0.01% | 2 0.01% | 3 |
| 1469 snuportin-1 (KPNBL) | NM_005701.1 | 2 0.01% | 0 0.00% | 0 0.00% | 1 0.01% | 3 |
| 1470 SON DNA binding protein isoform E (SON) mRN | Hs.92909 | 0 0.00% | 0 0.00% | 1 0.01% | 2 0.01% | 3 |
| 1471 split hand/foot deleted gene 1 | NP_033195.1 | 0 0.00% | 0 0.00% | 1 0.01% | 2 0.01% | 3 |
| 1472 ST15 | D50406.1 | 0 0.00% | 1 0.01% | 2 0.02% | 0 0.00% | 3 |
| 1473 SUMO-1 activating enzyme subunit 2 (UBA2) | NM_005499.1 | 0 0.00% | 0 0.00% | 2 0.02% | 1 0.01% | 3 |
| 1474 suppressor of G2 allele | NM_006704.1 | 1 0.01% | 0 0.00% | 1 0.01% | 1 0.01% | 3 |
| 1475 TEB4 protein (=AB011169 KIAA0597) | AF009301 | 0 0.00% | 0 0.00% | 2 0.02% | 1 0.01% | 3 |
| 1476 thiosulfate sulfurtransferase (rhodanese) (TST) | X59434 | 2 0.01% | 1 0.01% | 0 0.00% | 0 0.00% | 3 |
| 1477 TL27 (from PC3 cell line) | X75684 | 2 0.01% | 1 0.01% | 0 0.00% | 0 0.00% | 3 |
| 1478 translocated promoter region (to activated MET | NM_003292.1 | 0 0.00% | 0 0.00% | 3 0.02% | 0 0.00% | 3 |
| 1479 WS-3 | D84145.1 | 0 0.00% | 1 0.01% | 0 0.00% | 2 0.01% | 3 |
| 1480 WW domain binding protein-1 (ORF) | U79457.17 | 2 0.01% | 1 0.01% | 0 0.00% | 0 0.00% | 3 |
| 1481 XIST | X56196 | 0 0.00% | 0 0.00% | 2 0.02% | 1 0.01% | 3 |
| 1482 annexin A11 (ANXA11 gene) | AJ278465.1 | 0 0.00% | 2 0.01% | 0 0.00% | 1 0.01% | 3 |
| 1483 ATPase, Na/K transporting, beta 3 polypeptide | NM_001679.1 | 0 0.00% | 1 0.01% | 2 0.02% | 0 0.00% | 3 |
| 1484 channel-like integral membrane protein (AQP-1) | U41518.1 | 1 0.01% | 1 0.01% | 0 0.00% | 1 0.01% | 3 |
| 1485 citrin (SLC25A13) | AF118838.1 | 1 0.01% | 1 0.01% | 1 0.01% | 0 0.00% | 3 |
| 1486 X-linked phosphoglycerate kinase | M11968 | 0 0.00% | 0 0.00% | 0 0.00% | 3 0.02% | 3 |
| 1487 aldehyde dehydrogenase 6 (ALDH6) | NM_000693.1 | 0 0.00% | 0 0.00% | 3 0.02% | 0 0.00% | 3 |
| 1488 aldehyde reductase | J04794 | 2 0.01% | 0 0.00% | 0 0.00% | 1 0.01% | 3 |
| 1489 dTDP-D-glucose 4, 6-dehydratase | AJ006068 | 0 0.00% | 1 0.01% | 2 0.02% | 0 0.00% | 3 |
| 1490 platelet-type phosphofructokinase | D25328.1 | 0 0.00% | 1 0.01% | 0 0.00% | 2 0.01% | 3 |
| 1491 MKP-1 like protein tyrosine phosphatase | AF038844 | 0 0.00% | 0 0.00% | 1 0.01% | 2 0.01% | 3 |
| 1492 Gem GTPase (gem) | U10550 | 0 0.00% | 0 0.00% | 1 0.01% | 2 0.01% | 3 |
| 1493 hypoxanthine phosphoribosyltransferase (HPRT) | M26434 | 1 0.01% | 0 0.00% | 2 0.02% | 0 0.00% | 3 |
| 1494 plasma cell membrane glycoprotein (PC-1) | M57736.1 | 0 0.00% | 0 0.00% | 1 0.01% | 2 0.01% | 3 |
| 1495 pyrophosphatase | Z48605 | 0 0.00% | 0 0.00% | 0 0.00% | 3 0.02% | 3 |
| 1496 acetyl-Coenzyme A acetyltransferase 2 (acetoac | gi5174388 | 0 0.00% | 1 0.01% | 0 0.00% | 2 0.01% | 3 |
| 1497 acyl-CoA synthetase 4 (ACS4) | AF030555 | 0 0.00% | 0 0.00% | 1 0.01% | 2 0.01% | 3 |
| 1498 acyl-Coenzyme A dehydrogenase, very long cha | NM_000018.1 | 2 0.01% | 1 0.01% | 0 0.00% | 0 0.00% | 3 |
| 1499 L3 pigment (L3) | AF189062.3 | 1 0.01% | 1 0.01% | 1 0.01% | 0 0.00% | 3 |
| 1500 leukotriene A-4 hydrolase | J02959 | 1 0.01% | 0 0.00% | 0 0.00% | 2 0.01% | 3 |
| 1501 cytochrome b5 reductase 1 (B5R.1) (RefSeq aa | NP_057327.1 | 0 0.00% | 3 0.02% | 0 0.00% | 0 0.00% | 3 |
| 1502 NADH-ubiquinone oxidoreductase MNLL subunit | AF050638.1 | 0 0.00% | 0 0.00% | 1 0.01% | 2 0.01% | 3 |
| 1503 ubiquinol-cytochrome c reductase, Rieske iron-s | 5174742 | 1 0.01% | 1 0.01% | 0 0.00% | 1 0.01% | 3 |
| 1504 methylene tetrahydrofolate dehydrogenase (NA | NM_006636.1 | 1 0.01% | 0 0.00% | 1 0.01% | 1 0.01% | 3 |
| 1505 aspartyl glucosaminidase (AGA) | X55330 | 0 0.00% | 1 0.01% | 1 0.01% | 1 0.01% | 3 |

| | | | | | | | | | | | |
|------|--|-------------|---|-------|---|-------|---|-------|---|-------|---|
| 1506 | leucine-rich repeat (LRR) protein (P37NB) 37 kD | NM_005824.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 2 | 0.01% | 3 |
| 1507 | methionine synthase reductase (MTRR) | AF025794 | 0 | 0.00% | 2 | 0.01% | 1 | 0.01% | 0 | 0.00% | 3 |
| 1508 | osteoblast specific cysteine-rich protein, complete | AB008375 | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 1 | 0.01% | 3 |
| 1509 | pyrroline-5-carboxylate reductase 1 (PYCR1) | NM_006907.1 | 1 | 0.01% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 3 |
| 1510 | S-adenosylmethionine decarboxylase 1 (AMD1) | NM_001634.3 | 1 | 0.01% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 3 |
| 1511 | selenophosphate synthetase 2 (SPS2) | U43286 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 | 0.01% | 3 |
| 1512 | tryptophan rich basic protein (WRB) (ORF) | NM_004627.1 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 3 |
| 1513 | glutamic-oxaloacetic transaminase 2, mitochond | NM_002080.1 | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 3 |
| 1514 | eukaryotic translation initiation factor 4E (RefSeq) | NP_001959.1 | 0 | 0.00% | 3 | 0.02% | 0 | 0.00% | 0 | 0.00% | 3 |
| 1515 | GC20 protein (=AF077052 protein translation fac | AF064607 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 | 0.01% | 3 |
| 1516 | p80 protein (=M23613.1 nucleophosmin) | D45915.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 2 | 0.01% | 3 |
| 1517 | translation initiation factor 3 47 kDa subunit | U94855 | 2 | 0.01% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 3 |
| 1518 | ribosome binding protein 1 (dog 180kD homolog | gi4759055 | 3 | 0.02% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 3 |
| 1519 | stress-associated endoplasmic reticulum protein | NM_014445.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 3 | 0.02% | 3 |
| 1520 | aminopeptidase puromycin sensitive (NPEPPS)- | NM_006310.1 | 2 | 0.01% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 3 |
| 1521 | beta-migrating plasminogen activator inhibitor I | M14083 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 2 | 0.01% | 3 |
| 1522 | calpain, large polypeptide L2 (CAPN2) mRNA | NM_001748.1 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 1 | 0.01% | 3 |
| 1523 | collagenase inhibitor | M59906 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 3 |
| 1524 | cysteine-rich heart protein (hCRHP) | U09770.1 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 3 |
| 1525 | cysteine-rich repeat-containing protein S52 pre | AF167706.1 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 1 | 0.01% | 3 |
| 1526 | matrix metalloproteinase (ADAMTS1) mRNA, com | AF207664.1 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 3 |
| 1527 | nardilysin (N-arginine dibasic convertase) (NRD | NM_002525.1 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 3 |
| 1528 | procollagen, type XI, alpha 1 (Col11a1) | NM_007729.1 | 2 | 0.01% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 3 |
| 1529 | protease inhibitor 12 (neuroserpin) (PI12) | NM_005025.1 | 0 | 0.00% | 1 | 0.01% | 2 | 0.02% | 0 | 0.00% | 3 |
| 1530 | proteasome (prosome, macropain) subunit, alph | NM_002790.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 3 | 0.02% | 3 |
| 1531 | proteasome (prosome, macropain) subunit, alph | NM_002792.1 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 1 | 0.01% | 3 |
| 1532 | PROTEASOME COMPONENT C9 (MACROPAI spP25789 | | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 3 | 0.02% | 3 |
| 1533 | proteasome subunit X (=X95586 MB1) | D29011 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 2 | 0.01% | 3 |
| 1534 | protein x0008 (AD013) | NM_013395.1 | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 1 | 0.01% | 3 |
| 1535 | sorting nexin 1 (SNX1) | NM_003099.1 | 1 | 0.01% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 3 |
| 1536 | chaperonin containing TCP1, subunit 2 (beta) (C | NM_006431.1 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 1 | 0.01% | 3 |
| 1537 | farnesyl diphosphate synthase (farnesyl pyropho | NM_002004.1 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 3 |
| 1538 | huntingtin interacting protein 2 (HIP2) | NM_005339.1 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 1 | 0.01% | 3 |
| 1539 | karyopherin alpha 2 (RAG cohort 1, importin alp | NM_002266.1 | 3 | 0.02% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 3 |
| 1540 | nuclear localization signal deleted in velocardi | NM_003776.1 | 0 | 0.00% | 1 | 0.01% | 2 | 0.02% | 0 | 0.00% | 3 |
| 1541 | signal recognition particle (SRP), 19kD protein | X12791 | 0 | 0.00% | 2 | 0.01% | 1 | 0.01% | 0 | 0.00% | 3 |
| 1542 | TRAM-like protein (KIAA0057), mRNA | NM_012288.1 | 1 | 0.01% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 3 |
| 1543 | ubiquitin-activating enzyme E1C (homologous to | gi4507764 | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 1 | 0.01% | 3 |
| 1544 | AE-binding protein 1, AEBP1 | D86479 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 3 | 0.02% | 3 |
| 1545 | alternative splicing factor | M72709.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 2 | 0.01% | 3 |
| 1546 | amplified in osteosarcoma (OS-9) | NM_006812.1 | 3 | 0.02% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 3 |
| 1547 | bromodomain-containing 2 (BRD2)= KIAA9001 | NM_005104.1 | 1 | 0.01% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 3 |
| 1548 | CCAAT-box-binding transcription factor (CBF2) | NM_005760.1 | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 1 | 0.01% | 3 |
| 1549 | c-Cbl-interacting protein (CIN85) | AF230904.1 | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 1 | 0.01% | 3 |
| 1550 | c-myc transcription factor (puf) = M36981(ORF) | L16785.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 2 | 0.01% | 3 |
| 1551 | FUSE binding protein 3 (FBP3) | U69127.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 2 | 0.01% | 3 |
| 1552 | GA-binding protein transcription factor, beta sub | NM_016654.1 | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 1 | 0.01% | 3 |
| 1553 | helix-loop-helix basic phosphoprotein (G0S8) | L13391 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 3 | 0.02% | 3 |
| 1554 | myocyte-specific enhancer factor 2A (MEF2A) | U49020 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 3 |
| 1555 | retinoblastoma-associated protein RAP140 (=KI/ | AAD55098.1 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 1 | 0.01% | 3 |
| 1556 | retinoblastoma-binding protein 4 (RBBP4) =X74 | NM_005610.1 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 3 |
| 1557 | ring finger protein 11 (RNF11) | NM_014372.1 | 0 | 0.00% | 2 | 0.01% | 1 | 0.01% | 0 | 0.00% | 3 |
| 1558 | ring finger protein 14 (RNF14) (=HFB30) | NM_004290.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 3 | 0.02% | 3 |
| 1559 | T-box transCRiption factor (Tbx15) | AF041822 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 3 |
| 1560 | thyroid hormone receptor interactor 11 (TRIP11) | NM_004239.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 2 | 0.01% | 3 |
| 1561 | thyroid receptor interactor (TRIP3) | L40410.1 | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 3 |
| 1562 | transCRiptional activation factor TAFII32 (=AF1 | U21858 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 2 | 0.01% | 3 |
| 1563 | transducin (beta) like 2 (TBL2) | NM_012453.1 | 2 | 0.01% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 3 |

| | | | | | | | | | |
|---|---|-------|---|-------|---|-------|---|-------|---|
| 1564 Y-linked zinc finger protein (ZFY) gene (=DKFZc AF114156.1 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 3 |
| 1565 ZINC FINGER PROTEIN 135 spP52742 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 3 |
| 1566 ZNF01 and HUMORFKG1B genes, partial sequ AF205588.1 | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 1 | 0.01% | 3 |
| 1567 nCL1 gene X85032.1 | 0 | 0.00% | 0 | 0.00% | 2 | 0.02% | 1 | 0.01% | 3 |
| 1568 endoplasmic reticulum lumenal Ca2 binding pro AF216292.1 | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 3 |
| 1569 hnRNP-E2 (poly(rC)-binding protein 2 (PCBP2)) X78136 | 2 | 0.01% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 3 |
| 1570 leukophysin (LKP) = NM_001357.1 DEAD/H box U03643.1 | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 1 | 0.01% | 3 |
| 1571 polyadenylate binding protein(TIA-1) M77142 | 1 | 0.01% | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 3 |
| 1572 PR264 X75755 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 1 | 0.01% | 3 |
| 1573 seryl-tRNA synthetase (SARS) NM_006513.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 | 0.01% | 3 |
| 1574 small nuclear ribonucleoprotein D1 polypeptide (NM_006938.1 | 0 | 0.00% | 0 | 0.00% | 2 | 0.02% | 1 | 0.01% | 3 |
| 1575 small nuclear ribonucleoprotein polypeptide F (S NM_003095.1 | 2 | 0.01% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 3 |
| 1576 splicing factor 3b, subunit 1, 155kD (SF3B1) NM_012433.1 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 1 | 0.01% | 3 |
| 1577 splicing factor, arginine/serine-rich 9 (SFRS9) NM_003769.1 | 3 | 0.02% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 3 |
| 1578 breast cancer-associated gene 1 protein (BCG1 AF126181.1 | 3 | 0.02% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 3 |
| 1579 cartilage-associated protein (CASP) AJ006470 | 3 | 0.02% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 3 |
| 1580 DC2 (DC2) AF201937.1 | 0 | 0.00% | 3 | 0.02% | 0 | 0.00% | 0 | 0.00% | 3 |
| 1581 T-cell gamma receptor locus AF159056.1 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 1 | 0.01% | 3 |
| 1582 28 kDa heat shock protein Z23090.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 | 0.01% | 3 |
| 1583 ALEX1 protein (LOC51309) NM_016608.1 | 0 | 0.00% | 0 | 0.00% | 2 | 0.02% | 1 | 0.01% | 3 |
| 1584 LIM and senescent cell antigen-like domains 1 (NM_004987.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 2 | 0.01% | 3 |
| 1585 coatomer protein complex, subunit alpha (COPA NM_004371.2 | 2 | 0.01% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 3 |
| 1586 endoglin (Osler-Rendu-Weber syndrome 1) (ENK NM_000118.1 | 3 | 0.02% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 3 |
| 1587 tetraspanin TM4-A AF133423.1 | 1 | 0.01% | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 3 |
| 1588 ERCC5 excision repair protein L20046 | 0 | 0.00% | 0 | 0.00% | 3 | 0.02% | 0 | 0.00% | 3 |
| 1589 MHC class II lymphocyte antigen beta-chain (HL M28202.1 | 0 | 0.00% | 0 | 0.00% | 2 | 0.02% | 1 | 0.01% | 3 |
| 1590 thioredoxin-like (TXNL2) gi5730103 | 0 | 0.00% | 1 | 0.01% | 2 | 0.02% | 0 | 0.00% | 3 |
| 1591 Apg12 BAA36493.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 2 | 0.01% | 3 |
| 1592 calponin 3, acidic (CNN3) NM_001839.1 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 3 |
| 1593 capping protein (actin filament) muscle Z-line, al NM_006135.1 | 0 | 0.00% | 2 | 0.01% | 1 | 0.01% | 0 | 0.00% | 3 |
| 1594 CGI-101 protein (LOC51009) NM_016041.1 | 3 | 0.02% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 3 |
| 1595 CGI-114 protein (=DKFZp566E144) AF151872.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 2 | 0.01% | 3 |
| 1596 CGI-123 protein AF151881.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 2 | 0.01% | 3 |
| 1597 CGI-129 protein AF151887.1 | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 3 |
| 1598 CGI-142 protein AF151900.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 2 | 0.01% | 3 |
| 1599 CGI-151 protein (RefSeq aa 6e-51) NP_057165.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 3 |
| 1600 CGI-24 protein AF132958.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 2 | 0.01% | 3 |
| 1601 CGI-29 protein AF132963.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 2 | 0.01% | 3 |
| 1602 CGI-86 protein (LOC51635) NM_016029.1 | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 1 | 0.01% | 3 |
| 1603 cytoplasmic dynein intermediate chain 1 AF123074 | 0 | 0.00% | 1 | 0.01% | 2 | 0.02% | 0 | 0.00% | 3 |
| 1604 FRA3B common fragile region, diadenosine triph AF020503.1 | 0 | 0.00% | 1 | 0.01% | 2 | 0.02% | 0 | 0.00% | 3 |
| 1605 LIC-2 dynein light intermediate chain 53/55 U15138.1 | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 3 |
| 1606 sorcin (SRI) L12387.1 | 2 | 0.01% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 3 |
| 1607 collagen type IV alpha 1(COL4A1) M26576 | 1 | 0.01% | 0 | 0.00% | 2 | 0.02% | 0 | 0.00% | 3 |
| 1608 fibrinogen-like 2 precursor/fibroleukin (RefSeq aa NP_006673.1 | 0 | 0.00% | 3 | 0.02% | 0 | 0.00% | 0 | 0.00% | 3 |
| 1609 glypican 1 (GPC1) NM_002081.1 | 3 | 0.02% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 3 |
| 1610 glypican 4 (GPC4) NM_001448.1 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 1 | 0.01% | 3 |
| 1611 laminin, beta 2 (laminin S)(LAMB2) mRNA NM_002292.1 | 1 | 0.01% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 3 |
| 1612 sarcospan (Sspn) AF120276.1 | 0 | 0.00% | 2 | 0.01% | 1 | 0.01% | 0 | 0.00% | 3 |
| 1613 AHNAK nucleoprotein M80902.1 | 0 | 0.00% | 1 | 0.01% | 2 | 0.02% | 0 | 0.00% | 3 |
| 1614 capping protein (actin filament), gelsolin-like (CA M94345 | 2 | 0.01% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 3 |
| 1615 crystallin, zeta (quinone reductase) (CRYZ) NM_001889.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 | 0.01% | 3 |
| 1616 dystrophin (DMD) M18533 | 0 | 0.00% | 1 | 0.01% | 2 | 0.02% | 0 | 0.00% | 3 |
| 1617 keratin 10 (epidermolytic hyperkeratosis; keratos NM_000421.1 | 2 | 0.01% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 3 |
| 1618 protein 4.1-G, erythrocyte membrane protein (cic AF054999 | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 3 |
| 1619 myosin phosphatase target subunit 1 (MYPT1) D87930.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 2 | 0.01% | 3 |
| 1620 non-muscle alpha-actinin U48734.1 | 3 | 0.02% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 3 |
| 1621 nonmuscle myosin heavy chain (NMHC) M31013 | 1 | 0.01% | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 3 |

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|------|--|-------------|---|-------|---|-------|---|-------|---|-------|---|
| 1622 | tropomodulin (TMOD) | M77016 | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 1 | 0.01% | 3 |
| 1623 | nuclear pore complex protein hnup153 | Z25535 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 2 | 0.01% | 3 |
| 1624 | TIP120 (=AB020636 KIAA0829) | D87671 | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 1 | 0.01% | 3 |
| 1625 | angiotensin receptor-like 2 (AGTRL2), mRNA | NM_005162.2 | 3 | 0.02% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 3 |
| 1626 | B4-2 protein | U03105.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 | 0.01% | 3 |
| 1627 | diazepam binding inhibitor (GABA receptor mod) | Hs.78888 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 1 | 0.01% | 3 |
| 1628 | glucocorticoid receptor (GRL) gene | U80947.1 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 3 |
| 1629 | glutamate dehydrogenase 1 (GLUD1) | NM_005271.1 | 1 | 0.01% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 3 |
| 1630 | HindIII K4L ORF (HU-K4) | NM_012268.1 | 3 | 0.02% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 3 |
| 1631 | inositol 1,4,5-triphosphate receptor, type 3 (ITPR) | U01062 | 2 | 0.01% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 3 |
| 1632 | insulin receptor substrate-2 (IRS2) | AF073310 | 0 | 0.00% | 2 | 0.01% | 1 | 0.01% | 0 | 0.00% | 3 |
| 1633 | interleukin 11 receptor, alpha (IL11RA) | NM_004512.1 | 2 | 0.01% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 3 |
| 1634 | leptin receptor gene-related protein (HSOBRGR) | NM_017526.1 | 1 | 0.01% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 3 |
| 1635 | multiple membrane spanning receptor TRC8 (TFAF064801.1 | | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 2 | 0.01% | 3 |
| 1636 | orphan G protein-coupled receptor (RDC1) | U67784 | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 1 | 0.01% | 3 |
| 1637 | regulator of G-protein signalling 2, 24kD (RGS2) | NM_002923.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 2 | 0.01% | 3 |
| 1638 | regulator of G-protein signalling 5 (RGSS5) | AF159570.1 | 0 | 0.00% | 2 | 0.01% | 1 | 0.01% | 0 | 0.00% | 3 |
| 1639 | retinoic acid repressible protein (RARG-1) | AF172066.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 2 | 0.01% | 3 |
| 1640 | SGRF | AB030001.1 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 3 |
| 1641 | transforming growth factor, beta receptor III (bet: | NM_003243.1 | 0 | 0.00% | 3 | 0.02% | 0 | 0.00% | 0 | 0.00% | 3 |
| 1642 | 14-3-3 gamma | AB024334.1 | 0 | 0.00% | 3 | 0.02% | 0 | 0.00% | 0 | 0.00% | 3 |
| 1643 | cAMP-dependent protein kinase subunit RII-beta | M31158 | 0 | 0.00% | 0 | 0.00% | 2 | 0.02% | 1 | 0.01% | 3 |
| 1644 | CDC-like kinase (CLK) | NM_004071.1 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 3 |
| 1645 | mitogen-activated protein kinase 14 (MAPK14) | 4503068 | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 1 | 0.01% | 3 |
| 1646 | protein kinase, cAMP-dependent, regulatory, typ | NM_002734.1 | 0 | 0.00% | 0 | 0.00% | 2 | 0.02% | 1 | 0.01% | 3 |
| 1647 | Ser/Arg-related nuclear matrix protein (plenty of | NM_005839.1 | 1 | 0.01% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 3 |
| 1648 | serum-inducible kinase (SNK) | AF223574.1 | 1 | 0.01% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 3 |
| 1649 | tyrosylprotein sulfotransferase-1(TPST1) | AF038009 | 1 | 0.01% | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 3 |
| 1650 | GTPase-activating protein ras p21 (RASA) | M23379 | 1 | 0.01% | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 3 |
| 1651 | rab11a GTPase | AF000231 | 0 | 0.00% | 0 | 0.00% | 2 | 0.02% | 1 | 0.01% | 3 |
| 1652 | rab3 GTPase-activating protein, non-catalytic su | NM_012414.1 | 0 | 0.00% | 0 | 0.00% | 2 | 0.02% | 1 | 0.01% | 3 |
| 1653 | ralA binding protein 1 (RALBP1) | NM_005788.1 | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 1 | 0.01% | 3 |
| 1654 | ras-related YPT1 protein (ORF) | P11476 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 2 | 0.01% | 3 |
| 1655 | signal transduction protein (SH3 containing) (EF | gi5031680 | 0 | 0.00% | 2 | 0.01% | 1 | 0.01% | 0 | 0.00% | 3 |
| 1656 | CC chemokine gene cluster | AF088219.1 | 1 | 0.01% | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 3 |
| 1657 | EGR1 gene for early growth response protein 1 (A | J243425.1 | 2 | 0.01% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 3 |
| 1658 | growth differentiation factor 10 (GDF10) =D4949 | NM_004962.1 | 0 | 0.00% | 0 | 0.00% | 3 | 0.02% | 0 | 0.00% | 3 |
| 1659 | quiescin Q6 (QSCN6)(= bone-derived growth fac | NM_002826.1 | 1 | 0.01% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 3 |
| 1660 | SDF2 | D50645 | 1 | 0.01% | 0 | 0.00% | 2 | 0.02% | 0 | 0.00% | 3 |
| 1661 | seCreatory growth factor-like protein fallotein | AF091434.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 3 | 0.02% | 3 |
| 1662 | uncharacterized bone marrow protein BM036 (BIN | M_018453.1 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 1 | 0.01% | 3 |
| 1663 | WNT1 inducible signaling pathway protein 3 (Re | NP_003871.1 | 0 | 0.00% | 3 | 0.02% | 0 | 0.00% | 0 | 0.00% | 3 |
| 1664 | ADP-ribosylation factor-like 2 (ARL2) | NM_001667.1 | 3 | 0.02% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 3 |
| 1665 | ARP2 (actin-related protein 2, yeast) homolog (A | NM_005722.1 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 3 |
| 1666 | beta-catenin | X87838 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 3 |
| 1667 | Ca2-activated neutral protease large subunit (C | M23254.1 | 0 | 0.00% | 0 | 0.00% | 2 | 0.02% | 1 | 0.01% | 3 |
| 1668 | calcium/calmodulin-dependent serine protein kin | NM_003688.1 | 0 | 0.00% | 1 | 0.01% | 2 | 0.02% | 0 | 0.00% | 3 |
| 1669 | hHDC for homolog of Drosophila headcase (LOC | NM_016217.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 2 | 0.01% | 3 |
| 1670 | MAX-interacting protein 1 (MXI1) | NM_005962.1 | 0 | 0.00% | 2 | 0.01% | 1 | 0.01% | 0 | 0.00% | 3 |
| 1671 | Opa-interacting protein OIP2 | AF025438 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 2 | 0.01% | 3 |
| 1672 | Sprouty 2 (SPRY2) | AF039843 | 0 | 0.00% | 2 | 0.01% | 1 | 0.01% | 0 | 0.00% | 3 |
| 1673 | POM121 membrane glycoprotein (rat homolog)-H | s.8198 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 3 | 0.02% | 3 |
| 1674 | voltage-dependent anion channel 2 (VDAC2), nt | NM_003375.1 | 0 | 0.00% | 1 | 0.01% | 2 | 0.02% | 0 | 0.00% | 3 |
| 1675 | alpha-parvin (PARVA) | AF237771.1 | 0 | 0.00% | 3 | 0.02% | 0 | 0.00% | 0 | 0.00% | 3 |
| 1676 | claudin-12 gene (CLDN12) | AJ250713.1 | 0 | 0.00% | 2 | 0.01% | 1 | 0.01% | 0 | 0.00% | 3 |
| 1677 | C-type lectin | BAA95671.1 | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 1 | 0.01% | 3 |
| 1678 | integrin, alpha subunit 1(ORF) | X68742 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 1 | 0.01% | 3 |
| 1679 | integrin-linked kinase (ILK) | U40282 | 3 | 0.02% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 3 |

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|------|---|-------------|---|-------|---|-------|---|-------|---|-------|---|
| 1680 | podocalyxin-like (PODXL) | NM_005397.1 | 1 | 0.01% | 0 | 0.00% | 2 | 0.02% | 0 | 0.00% | 3 |
| 1681 | syntaxin 7 | U77942 | 0 | 0.00% | 1 | 0.01% | 2 | 0.02% | 0 | 0.00% | 3 |
| 1682 | DNA dependent ATPase and helicase (ATRX) | U72938.2 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 1 | 0.01% | 3 |
| 1683 | histone H1 (0) | X03473 | 3 | 0.02% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 3 |
| 1684 | histone H2A.Z= M37583 | X52317 | 0 | 0.00% | 0 | 0.00% | 2 | 0.02% | 1 | 0.01% | 3 |
| 1685 | histone H2B | AJ223352 | 3 | 0.02% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 3 |
| 1686 | non-histone chromosomal protein HMG-14 | M21339.1 | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 3 |
| 1687 | cdk inhibitor p21 binding protein (TOK-1),(ORF)= | NM_016567.1 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 3 |
| 1688 | cyclin L ania-6a (RefSeq aa 1e-66) | NP_064703.1 | 0 | 0.00% | 3 | 0.02% | 0 | 0.00% | 0 | 0.00% | 3 |
| 1689 | GTP-binding protein (HSR1) | L25665 | 3 | 0.02% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 3 |
| 1690 | GTP-binding protein(=KIAA0741) | AJ006412 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 2 | 0.01% | 3 |
| 1691 | caspase 4, apoptosis-related cysteine protease (| NM_001225.1 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 1 | 0.01% | 3 |
| 1692 | inhibitor of apoptosis protein 2 | U45879 | 0 | 0.00% | 0 | 0.00% | 2 | 0.02% | 1 | 0.01% | 3 |
| 1693 | polymerase (RNA) II (DNA directed) polypeptide | NM_005034.1 | 0 | 0.00% | 3 | 0.02% | 0 | 0.00% | 0 | 0.00% | 3 |
| 1694 | inhibin, beta A (activin A, activin AB alpha polypeptide) | NM_002192.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 3 | 0.02% | 3 |
| 1695 | NCK adaptor protein 1(NCK1)=X17576 melanoma | NM_006153.1 | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 1 | 0.01% | 3 |
| 1696 | tumor suppressing subtransferable candidate 4 (| 5032204 | 3 | 0.02% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 3 |
| 1697 | ASCL3; CEGP1; C11orf14, C11orf15, C11orf16 | AJ400877.1 | 2 | 0.01% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 3 |
| 1698 | brain cDNA, clone:QnpA-18828 | AB049881.1 | 0 | 0.00% | 3 | 0.02% | 0 | 0.00% | 0 | 0.00% | 3 |
| 1699 | brain-specific STE20-like protein kinase 3 (STK) | AF083420.1 | 1 | 0.01% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 3 |
| 1700 | DD6A4-1 | AF034237 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 3 | 0.02% | 3 |
| 1701 | expressed only in placental villi, clone SMAP47 | AB019564 | 0 | 0.00% | 0 | 0.00% | 3 | 0.02% | 0 | 0.00% | 3 |
| 1702 | hypothetical gene supported by M29548; X03551 | XM_059967.1 | 2 | 0.01% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 3 |
| 1703 | hypothetical protein (RefSeq aa 4e-65) | NP_055701.1 | 0 | 0.00% | 3 | 0.02% | 0 | 0.00% | 0 | 0.00% | 3 |
| 1704 | KIAA0160 | D63881 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 3 |
| 1705 | KIAA0594 | AB011166 | 0 | 0.00% | 0 | 0.00% | 2 | 0.02% | 1 | 0.01% | 3 |
| 1706 | KIAA1128 protein, partial cds | AB032954.1 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 1 | 0.01% | 3 |
| 1707 | PCTAIRE2 | AB005540 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 3 | 0.02% | 3 |
| 1708 | PRO0989 | AF116614 | 1 | 0.01% | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 3 |
| 1709 | PRO2221 (RefSeq aa 1e-34) | NP_061094.1 | 0 | 0.00% | 2 | 0.01% | 1 | 0.01% | 0 | 0.00% | 3 |
| 1710 | putative breast adenocarcinoma marker (32kD) (Hs.12107 | | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 2 | 0.01% | 3 |
| 1711 | transposon-like element | M23161 | 1 | 0.01% | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 3 |
| 1712 | WSB1 isoform 2 (WSB1) | AF240696.1 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 3 |
| 1713 | ATP cassette binding transporter 1 (ABC1) | AF165281.1 | 0 | 0.00% | 2 | 0.01% | 1 | 0.01% | 0 | 0.00% | 3 |
| 1714 | beta-1,4-galactosyltransferase (=D38551 hypoth | D37790 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 3 |
| 1715 | UDP-N-acetyl-alpha-D-galactosamine:polypeptide | NM_004481.1 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 3 |
| 1716 | long-chain acyl-CoA synthetase | D10040 | 0 | 0.00% | 0 | 0.00% | 3 | 0.02% | 0 | 0.00% | 3 |
| 1717 | cytochrome b-245, beta polypeptide (chronic gra | NM_000397.2 | 0 | 0.00% | 2 | 0.01% | 1 | 0.01% | 0 | 0.00% | 3 |
| 1718 | eukaryotic translation initiation factor 3, subunit | gi4503512 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 3 |
| 1719 | Sec31 protein | AF139184.1 | 1 | 0.01% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 3 |
| 1720 | DNA-binding protein (CROC-1B) | U39361 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 | 0.01% | 3 |
| 1721 | ring finger protein 13 (RNF13), mRNA /cds=(151 | Hs.6900 | 0 | 0.00% | 0 | 0.00% | 2 | 0.02% | 1 | 0.01% | 3 |
| 1722 | SPR-2 mRNA for GT box binding protein | X68560.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 3 | 0.02% | 3 |
| 1723 | T-box 15 (Tbx15) | NM_009323.1 | 0 | 0.00% | 3 | 0.02% | 0 | 0.00% | 0 | 0.00% | 3 |
| 1724 | zinc finger protein 207 (ZNF207) | NM_003457.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 | 0.01% | 3 |
| 1725 | alpha-2-macroglobulin precursor (RefSeq aa 1e- | NP_000005.1 | 0 | 0.00% | 3 | 0.02% | 0 | 0.00% | 0 | 0.00% | 3 |
| 1726 | transmembrane 4 superfamily member 6 (TM4SF | NM_003270.1 | 0 | 0.00% | 3 | 0.02% | 0 | 0.00% | 0 | 0.00% | 3 |
| 1727 | cargo selection protein TIP47 (TIP47)(=PP17) | AF057140 | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 3 |
| 1728 | coatamer protein (COPA) | U24105 | 2 | 0.01% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 3 |
| 1729 | CGI-43 protein | AF151801.1 | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 1 | 0.01% | 3 |
| 1730 | novel RGD-containing protein (WS-3) | NM_006571.1 | 2 | 0.01% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 3 |
| 1731 | CDC42-binding protein kinase beta (DMPK-like) | XM_040911.1 | 3 | 0.02% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 3 |
| 1732 | Rab5 GDP/GTP exchange factor homologue (R) | NM_014504.1 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 3 |
| 1733 | heparin-binding neurite outgrowth promoting fact | S60110 | 3 | 0.02% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 3 |
| 1734 | parathyromosin | M24398 | 3 | 0.02% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 3 |
| 1735 | calcium-binding protein in macrophages (MRP-8 | X06234.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 3 | 0.02% | 3 |
| 1736 | membrane nucleoside transporter (RefSeq aa 8 | NP_055528.1 | 0 | 0.00% | 3 | 0.02% | 0 | 0.00% | 0 | 0.00% | 3 |
| 1737 | pinin, desmosome associated protein(RefSeq aa | NP_002678.1 | 0 | 0.00% | 3 | 0.02% | 0 | 0.00% | 0 | 0.00% | 3 |

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|--|-------------|---|-------|---|-------|---|-------|---|-------|---|
| 1738 high-mobility group (nonhistone chromosomal) p | NM_004965.1 | 1 | 0.01% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 3 |
| 1739 RCC1 gene, exons 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, | D00591.1 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 3 |
| 1740 XPB/ERCC-3-like protein | Y17148.1 | 3 | 0.02% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 3 |
| 1741 GT box binding protein (SPR-2) | X68560 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 3 | 0.02% | 3 |
| 1742 ribosomal 45S pre rRNA gene | X82564.1 | 0 | 0.00% | 3 | 0.02% | 0 | 0.00% | 0 | 0.00% | 3 |
| 1743 flap structure-specific endonuclease 1 (FEN1), n | NM_004111.3 | 3 | 0.02% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 3 |
| 1744 postmeiotic segregation increased (S. cerevisiae | NP_000526.1 | 0 | 0.00% | 3 | 0.02% | 0 | 0.00% | 0 | 0.00% | 3 |
| 1815 KIAA0068 gene | D38549.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 2 |
| 1745 eukaryotic translation elongation factor 1 alpha 1 | NM_001403.1 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 1746 ribosomal 28S RNA | M11167 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 2 |
| 1747 zinc-finger, splicing (RefSeq aa 4e-74) | NP_005446.1 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 1748 DNA repair helicase (ERCC3) | M31899.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 2 |
| 1749 minichromosome maintenance deficient (S. cere | NM_002388.2 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 1750 NRF1 protein (NRF1)= non-functional folate binc | L24123.1 | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 2 |
| 1751 RNA binding motif, single stranded interacting pr | gi8400721 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 2 |
| 1752 beta-netrin | AF278532 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 1753 kinesin (heavy chain) | X65873 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 2 |
| 1754 bamacan (RefSeq aa 1e-76) | NP_005436.1 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 1755 cartilage oligomeric matrix protein (COMP) | NM_000095.1 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 1756 collagen type X alpha 1(COL10A1) | X72580 | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 2 |
| 1757 chemokine-like factor 1 (CKLF1) | AF096895.1 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 1758 ecotropic viral integration site 2A (EVI2A) | NM_014210.1 | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 2 |
| 1759 apoptosis inhibitor (IEX-1L) gene | AF071596.1 | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 2 |
| 1760 fructose 1,6-diphosphate aldolase A (=X05236;M | M21190 | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 2 |
| 1761 UDP-GalNAc:polypeptide N-acetylgalactosaminyl | X85018 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 2 |
| 1762 NADH:ubiquinone oxidoreductase B15 subunit (i | AF044957 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 2 |
| 1763 aspartate beta-hydroxylase (ASPH) | NM_004318.1 | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 2 |
| 1764 fragile X mental retardation protein 1 homologue | U25165 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 | 0.01% | 2 |
| 1765 protein disulfide isomerase related protein (ERp | J05016.1 | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 2 |
| 1766 ubiquitin specific protease 16 (USP16) | NM_006447.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 2 |
| 1767 retinoblastoma-like 2 (p130)(RBL2) | NM_005611.1 | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 2 |
| 1768 U6 snRNA-associated Sm-like protein 2e-32 | NP_036454.1 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 1769 autoantigen | L05425 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 2 |
| 1770 microtubule-associated protein 4 (MAP4) | NM_002375.1 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 1771 RBP1-like protein (LOC51742) | NM_016374.1 | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 2 |
| 1772 glioma pathogenesis-related protein (GliPR) | U16307.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 2 |
| 1773 SMT3 (suppressor of mif two 3, yeast) homolog | NM_006936.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 2 |
| 1774 surface glycoprotein | Z50022.1 | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 2 |
| 1775 tetratricopeptide repeat domain 1 (TTC1) | NM_003314.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 2 |
| 1776 ATPase, vacuolar, 14 kD (ATP6S14) | NM_004231.1 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 1777 solute carrier family 20 (phosphate transporter), | 7382462 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 2 |
| 1778 glycogen phosphorylase | Y15233 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 2 |
| 1779 ribonuclease L (2',5'-oligoadenylate synthetas | 4506558 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 2 |
| 1780 cytochrome c oxidase subunit VII-related protein | AB007618 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 2 |
| 1781 lymphocyte dihydropyrimidine dehydrogenase (L | U20938 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 2 |
| 1782 eukaryotic translation initiation factor 3, subunit 7 | NM_003753.1 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 1783 chaperonin containing TCP1, subunit 7 (eta) (CC | NM_006429.1 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 1784 ubiquitin carboxyl-terminal esterase L3 (ubiquitin | NM_006002.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 2 |
| 1785 ubiquitination factor E4A (homologous to yeast | L 4759287 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 2 |
| 1786 Vacuolar protein sorting 26 (yeast homolog) (VP | NM_004896.1 | 0 | 0.00% | 0 | 0.00% | 2 | 0.02% | 0 | 0.00% | 2 |
| 1787 cAMP responsive element binding protein-like 2 | NM_001310.1 | 0 | 0.00% | 0 | 0.00% | 2 | 0.02% | 0 | 0.00% | 2 |
| 1788 erg protein (ets-related gene) | M21535 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 2 |
| 1789 Id3 gene for HLH type transcription factor | X73428.1 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 1790 Kruppel-like factor (LOC51713) | NM_016270.1 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 1791 THYROID HORMONE-INDUCED PROTEIN B F Q91641 | | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 2 |
| 1792 zinc finger transCRiptional regulator (GOS24) | M92844 | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 2 |
| 1793 splicing factor, arginine/serine-rich 3 (RefSeq aa | NP_003008.1 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 1794 chromodomain helicase DNA | NM_001271.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 2 |

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|------|---|---|-------|---|-------|---|-------|---|-------|---|
| 1795 | keratocan (KERA), (=keratocan gene, promoter); NM_007035.2 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 1796 | beta tropomyosin (TPM2) gene AF209746.1 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 1797 | muscle mRNA for embryonic myosin heavy chain X15696.1 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 1798 | nuclear receptor coactivator (=TRBP) AF245115 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 2 |
| 1799 | protein tyrosine kinase 9 (PTK9) NM_002822.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 2 |
| 1800 | serine kinase SRPK2 U88666 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 2 |
| 1801 | bone morphogenetic protein 6 (BMP6)(= transfor NM_001718.2 | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 2 |
| 1802 | cell adhesion molecule (CD44) M59040 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 | 0.01% | 2 |
| 1803 | C-type (calcium dependent, carbohydrate-recog; 4826676 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 2 |
| 1804 | cyclin-dependent kinase 4 (CDK4) U37022 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 1805 | WEE1 gene for protein kinase and partial ZNF14AJ277546.1 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 1806 | programmed cell death 4 (RefSeq aa 7e-54) NP_055271.1 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 1807 | 130 kD Golgi-localized phosphoprotein (GPP13C) U55853 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 2 |
| 1808 | ALL-1 gene Z69780.1 | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 2 |
| 1809 | deleted in pancreatic carcinoma (DPC4) gene, e AF045440.1 | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 2 |
| 1810 | E-1 enzyme (MASA) AF113125.1 | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 2 |
| 1811 | FSHD-associated repeat DNA, proximal region= U85056 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 2 |
| 1812 | GalNAc-T2 gene Y10344.1 | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 2 |
| 1813 | glycolipid transfer protein (LOC51228) NM_016433.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 2 |
| 1814 | golgi autoantigen, golgin subfamily a, 3 (GOLGA NM_005895.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 2 |
| 1816 | KIAA0423 AB007883.1 | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 2 |
| 1817 | KIAA0738 AB018281 | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 2 |
| 1818 | leukemogenic homolog protein (MEIS1) U85707.1 | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 2 |
| 1819 | nuclear autoantigenic sperm protein (histone-bin NM_002482.1 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 1820 | p21WAF1/CIP1 promoter-interacting protein (=K AF265443.1 | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 2 |
| 1821 | tetracycline transporter-like protein D88315 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 2 |
| 1822 | lung type-I cell membrane-associated glycoprotein NP_006465.1 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 1823 | acyl-coenzyme A:cholesterol acyltransferase (OIL21934.2 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 2 |
| 1824 | casein kinase II alpha subunit M55268 | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 2 |
| 1825 | protein tyrosine phosphatase type IVA, member NM_003463.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 2 |
| 1826 | protein tyrosine phosphatase, non-receptor type NM_002835.1 | 0 | 0.00% | 0 | 0.00% | 2 | 0.02% | 0 | 0.00% | 2 |
| 1827 | protein tyrosine phosphatase, non-receptor type NM_006264.1 | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 2 |
| 1828 | 5'-3' exoribonuclease 2 (XRN2) NM_012255.1 | 0 | 0.00% | 0 | 0.00% | 2 | 0.02% | 0 | 0.00% | 2 |
| 1829 | APEX nuclease (multifunctional DNA repair enzyme) NP_001632.1 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 1830 | carbamoyl-phosphate synthetase 2, aspartate translocating NM_004341.1 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 1831 | phosphoribosyl pyrophosphate synthetase-associated NM_002766.1 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 1832 | aldehyde dehydrogenase (ALD10), mitochondrial U46689 | 0 | 0.00% | 0 | 0.00% | 2 | 0.02% | 0 | 0.00% | 2 |
| 1833 | low density lipoprotein-related protein 1 (alpha-2 NM_002332.1 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 1834 | NADP dependent cytoplasmic malic enzyme (=LX77244 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 2 |
| 1835 | hyaluronan-binding protein precursor (HABP1) AF275902.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 2 |
| 1836 | leucine rich repeat (in FLII) interacting protein 1 (NM_004735.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 2 |
| 1837 | serine-rich protein AF246705.1 | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 2 |
| 1838 | EUKARYOTIC TRANSLATION INITIATION FACTOR spQ14152 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 2 |
| 1839 | translation initiation factor eIF-3 p110 subunit U46025 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 1840 | metalloprotease/disintegrin/cysteine-rich protein U41766 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 2 |
| 1841 | proteasome (prosome, macropain) activator subunit NM_006263.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 | 0.01% | 2 |
| 1842 | weak similarity to Arabidopsis thaliana ubiquitin- U88173 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 | 0.01% | 2 |
| 1843 | cullin 3 (CUL3) (=AB014517 KIAA0617) gi4503164 | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 2 |
| 1844 | cyclophilin 40 D63861.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 | 0.01% | 2 |
| 1845 | cellular retinoic acid-binding protein 2 (CRABP2) NM_001878.2 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 1846 | DNA binding protein NAK1 D49728 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 1847 | host cell factor 2 (HCF-2) NM_013320.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 2 |
| 1848 | LIM protein (similar to rat protein kinase C-binding NM_006457.1 | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 2 |
| 1849 | von Hippel-Lindau binding protein (VBP-1) U96759 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 2 |
| 1850 | heterogeneous nuclear ribonucleoprotein F (HNF NM_004966.1 | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 2 |
| 1851 | poly(A)-binding protein, nuclear 1 (PABPN1) gi4758875 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 1852 | Sjogren syndrome antigen A1 (SSA1) NM_003141.1 | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 2 |
| 1853 | core-binding factor, runt domain, alpha subunit 2 NM_004349.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 2 |

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|------|--|-------------|---|-------|---|-------|---|-------|---|-------|---|
| 1854 | membrane component, chromosome 17, surface | gi5174504 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 2 |
| 1855 | X-ray repair complementing defective repair in C | gi4507944 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 2 |
| 1856 | factor I (C3b/C4b inactivator) | J02770.1 | 0 | 0.00% | 0 | 0.00% | 2 | 0.02% | 0 | 0.00% | 2 |
| 1857 | MHC class II HLA-DR-beta | M20430.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 | 0.01% | 2 |
| 1858 | CGI-45 protein (LOC51094) | NM_015999.1 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 1859 | golgi matrix protein GM130 (GOLGA2) (non-exa | AAF65550.1 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 1860 | EGF-like repeats and discoidin I-like domains 3 (| NP_005702.1 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 1861 | fibrillin-2 | U03272 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 1862 | fibulin 5 (FBLN5) | NM_006329.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 2 |
| 1863 | microfibrillar-associated protein 1 (MFAP1) | NM_005926.1 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 1864 | actin-binding LIM protein (ABLM) | NM_006719.2 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 1865 | thyroid autoantigen 70kD (Ku antigen) (G22P1) | NM_001469.1 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 1866 | vinculin | M33308 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 1867 | cardiac myosin binding protein-C (ORF) | X84075 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 2 |
| 1868 | tropomyosin 4 (TPM4) | Y00169.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 2 |
| 1869 | troponin T3, skeletal fast (TNNT3) | NM_006757.1 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 1870 | lamin B receptor (LBR) | NM_002296.1 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 1871 | surfeit 1 (SURF1) | NM_003172.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 2 |
| 1872 | unc-50 related protein homologue | AF077038.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 2 |
| 1873 | 100 kDa coactivator | U22055 | 0 | 0.00% | 0 | 0.00% | 2 | 0.02% | 0 | 0.00% | 2 |
| 1874 | diphtheria toxin receptor (heparin-binding epiden | NM_001945.1 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 1875 | Fc fragment of IgE, high affinity I, receptor for; g | gi4758343 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 2 |
| 1876 | fibroblast growth factor receptor (FGFR-4) | X57205 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 1877 | G protein-coupled receptor 23 (GPR23) | NM_005296.1 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 1878 | stromal cell protein isoform | AF126024 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 2 |
| 1879 | mitogen-activated protein kinase kinase kinase | NM_004834.1 | 0 | 0.00% | 0 | 0.00% | 2 | 0.02% | 0 | 0.00% | 2 |
| 1880 | protein kinase, cGMP-dependent, type I (PRKG1 | NM_006258.1 | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 2 |
| 1881 | serine/threonine protein kinase MASK (LOC517 | NM_016542.1 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 1882 | guanine nucleotide binding protein 10 (GNG10) | NM_004125.1 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 1883 | angiotensin-related protein | AF153606.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 | 0.01% | 2 |
| 1884 | macrophage migration inhibitory factor (glycosyl | NM_002415.1 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 1885 | uncharacterized hypothalamus protein HTMP (L | NM_018475.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 2 |
| 1886 | histone H2A.F/Z variant (H2AV) | AF081192 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 1887 | C-1 | U41816 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 2 |
| 1888 | cyclin-D binding Myb-like protein | AF084530.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 | 0.01% | 2 |
| 1889 | GTP-binding protein G25K | AL121737.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 2 |
| 1890 | reverse transcriptase homolog - human retrotran | pirJ38588 | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 2 |
| 1891 | ATP binding protein | AB006679 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 | 0.01% | 2 |
| 1892 | BCL2 gene, exon 3 and breakpoint region | AF217803.1 | 0 | 0.00% | 0 | 0.00% | 2 | 0.02% | 0 | 0.00% | 2 |
| 1893 | PRP4/STK/WD splicing factor (HPRP4P) | NM_004697.1 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 1894 | tumor protein D52-like 1 (TPD52L1) | NM_003287.1 | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 2 |
| 1895 | 7-60 (gene) | AF112980 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 1896 | activated in tumor suppression | AJ012502.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 2 |
| 1897 | adipose differentiation-related protein (ADFP) | XM_048266.2 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 1898 | ALL1-fused gene from chromosome 1q (AF1Q) | NM_006818.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 2 |
| 1899 | AML1 AML1c protein (alternatively spliced produ | D43969.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 | 0.01% | 2 |
| 1900 | antigen NY-CO-10 (NY-CO-10) | AF039692.1 | 0 | 0.00% | 0 | 0.00% | 2 | 0.02% | 0 | 0.00% | 2 |
| 1901 | BABP gene for bile acid-binding protein (AKR 1C | AB032151.1 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 1902 | beige-like protein (BGL) | M83822.1 | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 2 |
| 1903 | BRCA2 region= ARP2/3 protein complex subunit | U50523 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 2 |
| 1904 | Brush-1=tumor suppressor (=AB020707 KIAA09 | S69790 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 | 0.01% | 2 |
| 1905 | BTK region clone 2110-rpi | U01925.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 2 |
| 1906 | candidate tumor suppressor p33 ING1 homolog | NM_016162.1 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 1907 | CG14483 gene product (35% ORF) [Drosophila | AE003802 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 | 0.01% | 2 |
| 1908 | chitinase, di-N-acetyl- (CTBS) | NM_004388.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 2 |
| 1909 | COP9 (constitutive photomorphogenic, Arabidops | NP_005828.1 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 1910 | COP9 homolog (HCOP9) | U51205 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 1911 | cytokine inducible SH2-containing protein 3 (Cis | gi6671757 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 | 0.01% | 2 |

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|------|--|-------------|---|-------|---|-------|---|-------|---|-------|---|
| 1912 | cytokine-inducible SH2 protein 6 (CISH6) (=AB0 | AF073958.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 2 |
| 1913 | DAPIT protein | AJ271158 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 2 |
| 1914 | Dim1p homolog (hdim1) | AF023611 | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 2 |
| 1915 | DMA, DMB, HLA-Z1, IPP2, LMP2, TAP1, LMP7, X87344 | | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 2 |
| 1916 | Dmx-like 1 (DMXL1) | NM_005509.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 2 |
| 1917 | down-regulated in metastasis (DRIM) | NM_014503.1 | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 2 |
| 1918 | downregulated in ovarian cancer 1 (DOC1) | NM_014890.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 2 |
| 1919 | enhancer of invasion 10 (HEI10) (=DKFZp564AC | AF216381.1 | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 2 |
| 1920 | EXLM1 | AB006651.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 2 |
| 1921 | FLJ-LRR associated protein-1 | AF045573 | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 2 |
| 1922 | fv1 | X63657 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 | 0.01% | 2 |
| 1923 | GA17 protein (dendritic cell protein) | AF064603 | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 2 |
| 1924 | GL004 protein (RefSeq aa 2e-34) | NP_064579.1 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 1925 | glioma tumor suppressor candidate region protei | AAF62873.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 2 |
| 1926 | guanylate binding protein 1, interferon-inducible, | NP_002044.1 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 1927 | HDCMA18P protein (HDCMA18P) | NM_016648.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 | 0.01% | 2 |
| 1928 | HDCMC29P | AF068295.1 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 1929 | hDJ9 (=AL032657) (65% aa) | AB028859 | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 2 |
| 1930 | HepG2 3' region Mbol cDNA, clone hmd3c06m3 | D17196.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 2 |
| 1931 | HP protein (HP) | AF026219.1 | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 2 |
| 1932 | HSPC007 protein | NP_054737.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 2 |
| 1933 | HSPC023 protein (HSPC023), D2217 | NM_014047.1 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 1934 | HSPC043 protein mRNA, (=HSPC291) | AF161411.2 | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 2 |
| 1935 | HSPC085 | AF161348.1 | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 2 |
| 1936 | HSPC095 | AF161358.1 | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 2 |
| 1937 | HSPC115 mRNA, (= adenosine 5'-diphosphosug | AF161464.1 | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 2 |
| 1938 | HSPC132 (ORF) | AF161481 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 2 |
| 1939 | HSPC133 protein (HSPC133) (=cDNA FLJ1045 | NM_014168.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 2 |
| 1940 | HSPC134 protein (HSPC134) | NM_014169.1 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 1941 | HSPC229 | AF151063.1 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 1942 | HSPC250 (ORF) | AF151084 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 | 0.01% | 2 |
| 1943 | HSPC292 | AAF28970.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 2 |
| 1944 | HSPC302 | AF161420.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 1945 | HT005 protein (=ariadne (Drosophila) homolog 2 | AF183427.1 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 1946 | HT014 (HT014) | AF221595.1 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 1947 | HYA22 | D88153 | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 2 |
| 1948 | hypothalamus protein HT007 (RefSeq aa 2e-64) | NP_060950.1 | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 2 |
| 1949 | hypothetical gene (LOC115009) | XM_055020.1 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 1950 | intergenic DNA between SURF-2 and SURF-4 | Y17214 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 2 |
| 1951 | IRLB gene (exon5) | X82334.1 | 0 | 0.00% | 0 | 0.00% | 2 | 0.02% | 0 | 0.00% | 2 |
| 1952 | ITBA1 protein | X92475 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 1953 | JM4 protein (JM4) | NM_007213.1 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 1954 | KIAA0006 | D25304 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 2 |
| 1955 | KIAA0009 | D13634.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 | 0.01% | 2 |
| 1956 | KIAA0010 | D13635 | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 2 |
| 1957 | KIAA0017 | D13642 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 1958 | KIAA0025 gene product; MMS-inducible gene (K | NM_014685.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 1959 | KIAA0036 | D25278 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 1960 | KIAA0039 (ORF) | D26018.1 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 1961 | KIAA0041 | D26069 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 2 |
| 1962 | KIAA0049 | D30756.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 | 0.01% | 2 |
| 1963 | KIAA0058 | NM_014764.1 | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 2 |
| 1964 | KIAA0066 | D31886.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 2 |
| 1965 | KIAA0072 gene | D31889.1 | 0 | 0.00% | 0 | 0.00% | 2 | 0.02% | 0 | 0.00% | 2 |
| 1966 | KIAA0073 (cyclophilin related) | D38552 | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 2 |
| 1967 | KIAA0093 | D42055.1 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 1968 | KIAA0095 gene | NM_014669.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 2 |
| 1969 | KIAA0105 | NM_004906.1 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |

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|--|-------------|---|-------|---|-------|---|-------|---|-------|---|
| 1970 KIAA0112 | D25218 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 2 |
| 1971 KIAA0117 | D38491 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 1972 KIAA0155 gene | NM_014633.1 | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 2 |
| 1973 KIAA0156 gene product (KIAA0156) | NM_014706.1 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 1974 KIAA0161 | D79983 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 | 0.01% | 2 |
| 1975 KIAA0178 | D80000 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 | 0.01% | 2 |
| 1976 KIAA0180 | D80002 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 1977 KIAA0183 gene | D80005.1 | 0 | 0.00% | 0 | 0.00% | 2 | 0.02% | 0 | 0.00% | 2 |
| 1978 septin 2 (SEP2) | AF179995.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 2 |
| 1979 KIAA0203 | D86958 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 | 0.01% | 2 |
| 1980 KIAA0217 | D86971 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 1981 KIAA0225 gene | D86978.1 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 1982 KIAA0227 | D86980 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 2 |
| 1983 KIAA0228 gene | D86981.1 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 1984 KIAA0233 | NM_014745.1 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 1985 KIAA0253 | D87442 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 1986 KIAA0254 | D87443 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 2 |
| 1987 KIAA0258 gene | NM_014785.1 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 1988 KIAA0266 gene, (ORF) | D87455 | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 2 |
| 1989 KIAA0324 | AB002322.2 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 1990 KIAA0353 | AB002351 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 2 |
| 1991 KIAA0368 | AB002366 | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 2 |
| 1992 KIAA0370 gene | AB002368.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 2 |
| 1993 KIAA0447 | AB007916 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 1994 KIAA0451 | NM_014826.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 2 |
| 1995 KIAA0456 | AB007925 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 1996 KIAA0466 protein | AB007935.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 2 |
| 1997 KIAA0470 | AB007939 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 1998 KIAA0471 gene product (KIAA0471) | NM_014857.1 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 1999 KIAA0475 | NM_014864.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2000 KIAA0480 | AB007949 | 0 | 0.00% | 0 | 0.00% | 2 | 0.02% | 0 | 0.00% | 2 |
| 2001 KIAA0488 | AB007957.1 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2002 KIAA0491 | AB007960 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 | 0.01% | 2 |
| 2003 KIAA0553 | AB011125 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2004 KIAA0564 protein | AB011136.1 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2005 KIAA0611 | AB014511 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2006 KIAA0618 gene product (KIAA0618), mRNA | XM_018359.3 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2007 KIAA0638 | AB014538 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2008 KIAA0639 | AB014539 | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 2 |
| 2009 KIAA0648 | AB014548 | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 2 |
| 2010 KIAA0689 | AB014589.1 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2011 KIAA0697 protein | AB014597.1 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2012 KIAA0701 protein | AB014601.1 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2013 KIAA0727 (ORF) | AB018270 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2014 KIAA0745 | AB018288.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2015 KIAA0761 protein | AB018304.1 | 0 | 0.00% | 0 | 0.00% | 2 | 0.02% | 0 | 0.00% | 2 |
| 2016 KIAA0762 | AB018305.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2017 KIAA0765 | AB018308.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2018 KIAA0770 | AB018313.1 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2019 KIAA0772 gene | NM_014835.1 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2020 KIAA0776 protein | AB018319.1 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2021 KIAA0824 (=PCF11p homolog) | AB020631.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2022 KIAA0830 | AB020637.1 | 0 | 0.00% | 0 | 0.00% | 2 | 0.02% | 0 | 0.00% | 2 |
| 2023 KIAA0843 | AB020650.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2024 KIAA0847 protein | AB020654.1 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2025 KIAA0862=leucine-rich repeat protein SHOC-2 | AB020669 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 2 |
| 2026 KIAA0903(ORF) | AB020710 | 0 | 0.00% | 0 | 0.00% | 2 | 0.02% | 0 | 0.00% | 2 |
| 2027 KIAA0907 | AB020714.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 2 |

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|------|---|-------------|---|-------|---|-------|---|-------|---|-------|---|
| 2028 | KIAA0909 protein | BAA74932.1 | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 2 |
| 2029 | KIAA0911 protein (KIAA0911), | NM_014944.1 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2030 | KIAA0914 gene product | NM_014883.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2031 | KIAA0934 protein | AB023151.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 2 |
| 2032 | KIAA0947 | AB023164.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2033 | KIAA0952 | AB023169.1 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2034 | KIAA0955 protein (KIAA0955) | NM_014959.1 | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 2 |
| 2035 | KIAA0978 | AB023195 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2036 | KIAA0997 | NM_014950.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 2 |
| 2037 | KIAA1014 | AB023231.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 | 0.01% | 2 |
| 2038 | KIAA1033 | AB028956.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 2 |
| 2039 | KIAA1063 | AB028986.1 | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 2 |
| 2040 | KIAA1064 | AB028987.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2041 | KIAA1131 | AB032957.1 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2042 | KIAA1137 | AB032963.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2043 | KIAA1190 | AB033016.1 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2044 | KIAA1223 | AB033049.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 | 0.01% | 2 |
| 2045 | KIAA1249 protein | AB033075.1 | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 2 |
| 2046 | KIAA1287 | AB033113 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2047 | KIAA1310 | AB037731.1 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2048 | KIAA1338 protein | AB037759.1 | 0 | 0.00% | 0 | 0.00% | 2 | 0.02% | 0 | 0.00% | 2 |
| 2049 | KIAA1350 protein | AB037771.1 | 0 | 0.00% | 0 | 0.00% | 2 | 0.02% | 0 | 0.00% | 2 |
| 2050 | KIAA1381 | AB037802 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2051 | KIAA1404 | AB037825.1 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2052 | KIAA1423 | AB037844.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 2 |
| 2053 | KIAA1424 protein | AB037845.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2054 | KIAA1458 | AB040891.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 | 0.01% | 2 |
| 2055 | KIAA1507(=FLJ20654) | AB040940.1 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2056 | KIAA1518 | AB040951 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2057 | KIAA1519 | AB040952.1 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2058 | KIAA1536 | AB040969.1 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2059 | KIAA1577 | AB046797.1 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2060 | KIAA1610 | AB046830.1 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2061 | KIAA1633 protein | BAB13459.1 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2062 | L13 protein (RefSeq aa 8e-78) | NP_054797.1 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2063 | La/SS-B protein | X69804 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 2 |
| 2064 | like mouse brain protein E46(E46L) | NM_013236.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2065 | lipoma HMGIC fusion partner (LHFP) | AF098807.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 | 0.01% | 2 |
| 2066 | LQFBS-1 (=AB011087 hypothetical protein (KIA | AF062385 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2067 | male sterility protein 2-like protein | AJ272073 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 | 0.01% | 2 |
| 2068 | maternal G10 transcript (G10) | NM_003910.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2069 | maternal-embryonic 3 (Mem3) | U47024 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 2 |
| 2070 | MCT-1 protein (MCT-1) | NM_014060.1 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2071 | MDS011 (MDS011) | AF182424.1 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2072 | MEF3L1 MEF3 like 1 | AB049150.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2073 | melanoma antigen, family D 1 (MAGED1) | NM_006986.2 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2074 | meningioma (disrupted in balanced translocation | NM_002430.1 | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 2 |
| 2075 | microspherule protein 1 (MCRS1) | NM_006337.1 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2076 | neuroblastoma-amplified protein | AF056195 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2077 | Neurofibromatosis 1 locus on Chromosome 17 | AC004526.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2078 | NICE-5 protein (=AF116721) PRO3094 | AJ243666 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2079 | non-metastatic cells 1, protein (NM23A) express | 4557796 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2080 | non-ocogenic Rho GTPase-specific GTP exchar | AF127481.1 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2081 | NY-REN-55 antigen (=DKFZp564L2416) | AF155113.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2082 | p45SKP2-like protein (=FLR1) | AF157323.1 | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 2 |
| 2083 | p47 (=Y10769 R.norvegicus XY40 protein) (low | AF078856 | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 2 |
| 2084 | partial polr2H gene for RPB8, exons 1-5, and join | AJ252079.1 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2085 | PB1 | X90849 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 2 |

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|---|-------------|---|-------|---|-------|---|-------|---|-------|---|
| 2086 PBK1 protein | AJ007398.1 | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 2 |
| 2087 period (Drosophila) homolog (PER) (RIGUI) (=AI AF022991 | | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2088 phosphoserine phosphatase-like (PSPHL) | NM_003832.1 | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 2 |
| 2089 PIBF1 protein | Y09631 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 | 0.01% | 2 |
| 2090 PIX1 mRNA (ORF) | AF037219 | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 2 |
| 2091 PRO2160 | AF119863.1 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2092 PRO2275 | AF119873.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2093 PRO2898 | AF116717.1 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2094 PTD008 protein(=CGI-140 protein) | NM_016145.1 | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 2 |
| 2095 PTD009 protein (PTD009) (=HSPC172) | NM_016146.1 | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 2 |
| 2096 PTD016 protein (LOC51136) | NM_016125.1 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2097 PTPRF interacting protein, bindingprotein 1 (lipri NP_003613.1 | | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2098 putative Rab5-interacting protein(RefSeq aa 6e-; NP_061328.1 | | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2099 RD RNA-binding protein(RDBP), mRNA | NM_002904.3 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2100 retinal short-chain dehydrogenase/reductase ret: AF061741 | | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 2 |
| 2101 retrovirus-related leucine zipper protein p40 - hui138587 | | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2102 RETROVIRUS-RELATED POL POLYPROTEIN spP11369 | | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2103 REV1 protein (REV1) | NM_016316.1 | 0 | 0.00% | 0 | 0.00% | 2 | 0.02% | 0 | 0.00% | 2 |
| 2104 reversion-inducing-cysteine-rich protein with kaz Hs.29640 | | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2105 rIB operon | AF053965.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 | 0.01% | 2 |
| 2106 SCID complementing gene 2 | D78188.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 2 |
| 2107 SEC14 (S. cerevisiae)-like 1 (SEC14L1), mRNA | NM_003003.1 | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 2 |
| 2108 SEC63 protein | AJ011779.1 | 0 | 0.00% | 0 | 0.00% | 2 | 0.02% | 0 | 0.00% | 2 |
| 2109 single-strand selective monofunctional uracil DN AF125182 | | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 2 |
| 2110 small glutamine-rich tetratricopeptide repeat (TP AJ223828 | | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2111 SP100-HMG nuclear autoantigen (SP100) | AF056322.1 | 0 | 0.00% | 0 | 0.00% | 2 | 0.02% | 0 | 0.00% | 2 |
| 2112 sperm autoantigenic protein 17 (SPA17) | NM_017425.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2113 sperm specific antigen 2 (SSFA2=M61199=clea NM_006751.1 | | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 2 |
| 2114 splice variant AKAP350 | AF091711.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2115 stabilin-1 (stab1 gene) (=KIAA0246) | AJ275213.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2116 SULT1C sulfotransferase (SULT1C) | NM_006588.1 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2117 TCTEL1 (I-complex-associated-testis-expressed D50663.1 | | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 2 |
| 2118 testis specific protein | AF146738.1 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2119 TMEM1 and PWP2 | AB001523.1 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2120 torsin B (DQ1) | AF007872 | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 2 |
| 2121 WD-40 repeat protein | AB024327.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 | 0.01% | 2 |
| 2122 wild-type p53 activated fragment-1 (WAF1) | U03106.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2123 WRN (WRN) | AF181897.1 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2124 WW domain binding protein 11 | AF071186 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2125 WW domain binding protein 5 | U92454 | 0 | 0.00% | 0 | 0.00% | 2 | 0.02% | 0 | 0.00% | 2 |
| 2126 XRP2 protein (retinitis pigmentosa 2 (X-linked re AJ007590 | | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 | 0.01% | 2 |
| 2127 annexin A6 (ANXA6) | NM_004033.1 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2128 annexin VII (synexin)(ANX7) | NM_001156.2 | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 2 |
| 2129 ATP-specific succinyl-CoA synthetase beta subu AF058953 | | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 | 0.01% | 2 |
| 2130 sodium calcium exchanger 1 (NCX1) | U83657 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2131 solute carrier family 11 (proton-coupled divalent Hs.57435 | | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2132 solute carrier family 31 (copper transporters), me NM_001860.1 | | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 2 |
| 2133 6-phosphogluconolactonase (PGLS) | NM_012088.1 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2134 aldehyde oxidase gene=AOX1) | Z99567 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2135 alpha mannosidase II | U31520.1 | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 2 |
| 2136 hexokinase 2 (HK2) | NM_000189.1 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2137 Na -D-glucose cotransport regulator gene | X82877 | 0 | 0.00% | 0 | 0.00% | 2 | 0.02% | 0 | 0.00% | 2 |
| 2138 oligosaccharyl transferase STT3 subunit homolo L38961 | | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2139 paraoxonase 2 (PON2) | NM_000305.1 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2140 phosphomannomutase | U86070.1 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2141 proteolipid protein 2 (colonic epithelium-enriched NM_002668.1 | | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2142 RGL protein (RGL) | AF186779.1 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2143 UDP-N-acetyl-alpha-D-galactosamine:polypeptic gi8393408 | | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 2 |

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|------|--|-------------|---|-------|---|-------|---|-------|---|-------|---|
| 2144 | protein phosphatase methyltransferase-1 (PME-1) | NM_016147.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2145 | protein tyrosine phosphatase, receptor type, F (F) | NM_002840.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2146 | protein x 0004 (ORF) | AF117229 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2147 | protein x 013 | AF164793.1 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2148 | TPI1 gene for triosephosphate isomerase | X69723.1 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2149 | adenosine deaminase, RNA-specific (ADAR), tr | gi7669474 | 0 | 0.00% | 0 | 0.00% | 2 | 0.02% | 0 | 0.00% | 2 |
| 2150 | adenylosuccinate lyase(ADSL) | NM_000026.1 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2151 | adenylosuccinate synthetase | X66503 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2152 | deoxyguanosine kinase (DGUOK) | NM_001929.1 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2153 | deoxyribonuclease II | AF060222.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2154 | inositol (myo)-1(or 4)-monophosphatase 1 (IMP | NM_005536.2 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2155 | nucleotide pyrophosphatase (=plasma cell mem | D12485.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 | 0.01% | 2 |
| 2156 | p53R2 gene for ribonucleotide reductase, exon | AB036532.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 | 0.01% | 2 |
| 2157 | phosphoribosyl pyrophosphate synthetase-asso | NM_002767.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 | 0.01% | 2 |
| 2158 | phosphoribosylglycinamide formyltransferase (P | M32082.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 | 0.01% | 2 |
| 2159 | purine nucleoside phosphorylase | X00737 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2160 | thymidylate synthase | D00596 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2161 | 1-acylglycerol-3-phosphate O-acyltransferase | Y09565.1 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2162 | adaptor protein p150 | Y08991 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2163 | mutant cerebroside sulfate activator protein (SA | M60258 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2164 | Niemann-Pick C disease protein (NPC1) | AF002020.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 | 0.01% | 2 |
| 2165 | 5-methyltetrahydrofolate-homocysteine methyltr | NM_000254.1 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2166 | AAPT1-like protein | AF047431.1 | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 2 |
| 2167 | acetyl-coenzyme A transporter | D88152 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2168 | ARF protein | NM_016632.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2169 | atractin precursor (ATRIN) gene | AF218915.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2170 | biliverdin reductase A (BLVRA) | NM_000712.1 | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 2 |
| 2171 | choline/ethanolaminephosphotransferase (CEPT | NM_006090.1 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2172 | enoyl-CoA hydratase/3-hydroxyacyl-CoA dehydr | D16480 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2173 | galactocerebrosidase (GALC) gene | L38559 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 2 |
| 2174 | hydroxysteroid (17-beta) dehydrogenase 4 (HSC | NM_000414.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2175 | methylmalonyl-CoA mutase (MCM) | M65131 | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 2 |
| 2176 | nucleus-encoded mitochondrial aldehyde dehydr | M20456.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2177 | phospholipase C beta 4 (PLCB4) | L41349 | 0 | 0.00% | 0 | 0.00% | 2 | 0.02% | 0 | 0.00% | 2 |
| 2178 | phospholipase C-beta-3 (PLCB3) | U26425.1 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2179 | transacylase (DBT) | X66785 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2180 | cytochrome c oxidase assembly protein COX11 | AF044321 | 0 | 0.00% | 0 | 0.00% | 2 | 0.02% | 0 | 0.00% | 2 |
| 2181 | cytochrome c oxidase subunit VIa gene | U83702.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2182 | mitochondrial 75 kDa iron sulphur protein | X61100 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2183 | mitochondrial carrier homologue 2 | AF176008.1 | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 2 |
| 2184 | mitochondrial carrier protein ARALAR1 | Y14494 | 0 | 0.00% | 0 | 0.00% | 2 | 0.02% | 0 | 0.00% | 2 |
| 2185 | mitochondrial cytochrome c oxidase Va subunit | M22760 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2186 | mitochondrial inner membrane translocase Tim2 | AF030162.1 | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 2 |
| 2187 | NAD+-specific isocitrate dehydrogenase beta su | U49283 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2188 | NADH dehydrogenase (ubiquinone) Fe-Sprotein | NP_004543.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2189 | NADH dehydrogenase (ubiquinone) flavoprotein | NM_021074.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2190 | NADH dehydrogenase subunit (heteroplasmic G | S73804 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2191 | NADH dehydrogenase(ubiquinone) 1, subcomp | NM_004549.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2192 | NADH dehydrogenase-ubiquinone Fe-S protein | AF038406 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2193 | NADH:ubiquinone dehydrogenase 51 kDa subur | AF053070 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2194 | NADH:ubiquinone oxidoreductase B17 subunit | AF035840.1 | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 2 |
| 2195 | oxidase (cytochrome c) assembly 1-like (OXA1L | NM_005015.1 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2196 | PNAS-105 (=NADH dehydrogenase subunit 2 (N | AF275801.1 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2197 | QUINONE OXIDOREDUCTASE (NADPH:QUIN:spQ | 08257 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 2 |
| 2198 | succinyl CoA:3-oxoacid CoA transferase precu | U62961.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 | 0.01% | 2 |
| 2199 | ubiquilin 2 (UBQLN2) | NM_013444.1 | 0 | 0.00% | 0 | 0.00% | 2 | 0.02% | 0 | 0.00% | 2 |
| 2200 | antizyme inhibitor | NM_015878.1 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2201 | arginase, type II (ARG2), nuclear gene encoding | NM_001172.2 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |

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|--|----------------|---|-------|---|-------|---|-------|---|-------|---|
| 2202 Asparaginyl tRNA Synthetase (NARS) | D84273 | 0 | 0.00% | 0 | 0.00% | 2 | 0.02% | 0 | 0.00% | 2 |
| 2203 dolichyl-phosphate mannosyltransferase polypeptide | NM_003859.1 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2204 Fas-activated serine/threonine kinase (FASTK) | NM_006712.1 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2205 golgi phosphoprotein 1 (GOLPH1) | XM_037292.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2206 isopentenyl-diphosphate delta isomerase (IDI1) | NM_004508.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2207 isoprenylcysteine carboxyl methyltransferase (IC) | NM_012405.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2208 leucine zipper, down-regulated in cancer 1 (LDO) | NM_012317.1 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2209 leucine-rich protein | M92439.1 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2210 lysyl hydroxylase (=L06419) | M98252 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2211 Npw38-binding protein NpwBP (LOC51729) | NM_016312.1 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2212 ORNITHINE DECARBOXYLASE (ODC) | spP00860 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2213 phenylalanyl-tRNA synthetase beta-subunit; Phe | NP_005678.1 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2214 proline arginine-rich end leucine-rich repeat protein | NM_002725.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 2 |
| 2215 Proline synthetase associated | AB018566.1 | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 2 |
| 2216 S-adenosyl homocysteine hydrolase homolog (X) | U82761 | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 2 |
| 2217 cytidine monophosphate kinase CMP mRNA, (=AF259961.1) | | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2218 selenoprotein T(LOC51714) | NM_016275.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 2 |
| 2219 eukaryotic translation initiation factor 2 alpha kinase | AF110146 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 2 |
| 2220 eukaryotic translation initiation factor 2, subunit | gi4758255 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2221 eukaryotic translation initiation factor 3, subunit | NM_003758.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2222 EUKARYOTIC TRANSLATION INITIATION FACTOR | spP55010 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 2 |
| 2223 fasciculation and elongation protein zeta 2 (zyg) | NM_005102.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2224 homolog of rat elongation factor p18 (P18) | NM_004280.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2225 mitochondrial translational release factor 1 | AF072934 | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 2 |
| 2226 translation initiation factor eIF-2alpha | U26032.1 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2227 translational inhibitor protein p14.5 (UK114) = X | NM_005836.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 2 |
| 2228 translin associated protein X | X95073 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 2 |
| 2229 Tu translation elongation factor, mitochondrial (T) | NM_003321.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2230 unr protein (=AB020692 KIAA0885) | AF077054.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 | 0.01% | 2 |
| 2231 arginyl-tRNA synthetase (RARS) | NM_002887.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2232 5.8S ribosomal RNA | J01866.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2233 mitochondrial ribosomal protein S11 (MRPS11), Hs. | 111286 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2234 mitochondrial ribosomal protein S33 (MRPS33), Hs. | 83006 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2235 PRO1181 (=ribosomal protein L29(RPL29))(= ce | AF116627.1 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2236 alpha-1-antitrypsin | K01396.1 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2237 amyloid beta precursor protein-binding protein 1, NM. | 003905.1 | 0 | 0.00% | 0 | 0.00% | 2 | 0.02% | 0 | 0.00% | 2 |
| 2238 antileukotriene factor-1 (=U51007 26S protease | : U24704 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2239 ATP-dependent metalloprotease YME1L (contai | AJ132637.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 2 |
| 2240 matrix metalloproteinase 13 (collagenase 3) (M | Mv NM_002427.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2241 matrix metalloproteinase 15 (membrane-inserte | c NM_002428.1 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2242 matrix metalloproteinase 2 (gelatinase A, 72kD | c XM_048244.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2243 matrix metalloproteinase 9 (gelatinase B, 92kD | c NM_004994.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2244 MB1 (=D29011 proteasome subunit X) | X95586 | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 2 |
| 2245 mitogen-activated kinase kinase kinase 5 (MAP | K U67156 | 0 | 0.00% | 0 | 0.00% | 2 | 0.02% | 0 | 0.00% | 2 |
| 2246 peptidase homolog | AF010141 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2247 plasminogen activator inhibitor-1 | J03764 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2248 proteasome activator hPA28 subunit beta | D45248 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2249 proteasome subunit p42 | D78275 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 2 |
| 2250 protein associated with Myc (=AB020723 KIAA | AF075587.1 | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 2 |
| 2251 protein associated with PRK1 (AWP1), mRNA /c | Hs.83954 | 0 | 0.00% | 0 | 0.00% | 2 | 0.02% | 0 | 0.00% | 2 |
| 2252 protein regulator of cytokinesis 1 (PRC1) | NM_003981.1 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2253 sorting nexin 14 (SNX14) | AF121863.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 2 |
| 2254 sorting nexin 4 | AF065485 | 0 | 0.00% | 0 | 0.00% | 2 | 0.02% | 0 | 0.00% | 2 |
| 2255 sorting nexin 5 (SNX5) | AF121855.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 | 0.01% | 2 |
| 2256 sorting nexin 7 (SNX7) | AF121857.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 | 0.01% | 2 |
| 2257 TIMP3 tissue inhibitor of metalloproteinases-3 | X76227 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 2 |
| 2258 BRCA1 associated protein 1 (BAP1) | AF045581 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2259 coated vesicle membrane protein (RNP24) | NM_006815.1 | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 2 |

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|------|--|-------------|---|-------|---|-------|---|-------|---|-------|---|
| 2260 | F-box protein 7 (FBX7) | NM_012179.1 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2261 | KDEL receptor(Xenopus laevis) | AL035081 | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 2 |
| 2262 | peroxisomal biogenesis factor 12 (PEX12) | NM_000286.1 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2263 | peroxisomal D3,D2-enoyl-CoA isomerase (PECI) | AF153612 | 0 | 0.00% | 0 | 0.00% | 2 | 0.02% | 0 | 0.00% | 2 |
| 2264 | peroxisomal enoyl-CoA hydratase-like protein (HU16660) | | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2265 | peroxisomal farnesylated protein (PXF) | NM_002857.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2266 | rapamycin-binding protein (FKBP25) (=M90309) | M90820 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2267 | signal recognition particle (SRP54) | U51920 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2268 | signal recognition particle 72kD (SRP72)(ORF) | NM_006947.1 | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 2 |
| 2269 | stimulator of TAR RNA binding (SRB) (=AF0262) | U38846 | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 2 |
| 2270 | ubiquitin conjugating enzyme, UbcH6 | X92963 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 2 |
| 2271 | ubiquitin C-terminal hydrolase UCH37 (UCH37) | AF147717.1 | 0 | 0.00% | 0 | 0.00% | 2 | 0.02% | 0 | 0.00% | 2 |
| 2272 | ubiquitin hydrolyzing enzyme I (UBH1) | AF022789 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2273 | ubiquitin-52 amino acid fusion protein | X56998.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 | 0.01% | 2 |
| 2274 | ubiquitin-conjugating enzyme E2D 3 (homolog) | NM_003340.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 2 |
| 2275 | ubiquitin-conjugating enzyme E2L 6 (UBE2L6) = | NM_004223.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 2 |
| 2276 | ubiquitin-conjugating enzyme UbcH2 | Z29331 | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 2 |
| 2277 | ubiquitously-expressed transCRIPT (UXT)(ORF)= | NM_004182.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 | 0.01% | 2 |
| 2278 | WDR1 protein | AF020260 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 2 |
| 2279 | bithoraxoid-like protein (BLP)(= HSPC162 protei | AF165516.1 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2280 | glioma-amplified sequence-41 (GAS41) | NM_006530.1 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2281 | MAT-1 oncogene (HUMMAT1H) (=PEA15) | NM_013287.1 | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 2 |
| 2282 | methyl-CpG binding protein 1 (MBD1) | AF120982.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2283 | methyl-CpG binding protein MBD4 | AAC68879.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2284 | 33 kDa transcriptional co-activator (CRSP33) (=I | NM_004270.1 | 0 | 0.00% | 0 | 0.00% | 2 | 0.02% | 0 | 0.00% | 2 |
| 2285 | ataxia telangiectasia and Rad3 related (ATR) | NM_001184.1 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2286 | B cell RAG associated protein (BRAG) (=AB011 | AF026477 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2287 | B-cell CLL/lymphoma 6 (zinc finger protein 51) (I | NM_001706.1 | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 2 |
| 2288 | bromodomain adjacent to zinc finger domain, 2A | NP_038477.1 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2289 | CAAT-box DNA binding protein subunit B (NF-Y) | Y1X59710 | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 2 |
| 2290 | CAG-lsl 7 | U16738.1 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2291 | CBF1 interacting corepressor CIR (=U03644.1 r | AF098297.1 | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 2 |
| 2292 | CCR4-associated factor 1 (POP2) | AF053318 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2293 | cellular oncogene c-fos (=K00650) | V01512 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2294 | chromatin-specific transCRIPTION elongation fact | AF152961.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 | 0.01% | 2 |
| 2295 | class I histone deacetylase (HDAC8) | AF230097.1 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2296 | ets variant gene 5 (ets-related molecule) (ETV5) | NM_004454.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2297 | GC box binding protein | D31716 | 0 | 0.00% | 0 | 0.00% | 2 | 0.02% | 0 | 0.00% | 2 |
| 2298 | hepatocellular carcinoma novel gene-3 protein (I | NM_016651.2 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2299 | HMG-2 | X62534.1 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2300 | Id2 protein (Id-2) | M69293.1 | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 2 |
| 2301 | interferon regulatory factor 2 (IRF2) | NM_002199.2 | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 2 |
| 2302 | jun D proto-oncogene (JUND) | NM_005354.1 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2303 | kaiso (ZNF-kaiso) | gi5803228 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 2 |
| 2304 | KRAB domain zinc finger protein (ZFP37) | AF022158 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 | 0.01% | 2 |
| 2305 | mel transforming oncogene (derived from cell lin | NM_005370.2 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2306 | microphthalmia-associated transcription factor (I | NM_000248.1 | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 2 |
| 2307 | NF-kappa-B transCRIPTION factor p65 subunit | L19067 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2308 | nuclear factor NF-IL6 | X52560.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2309 | nuclear factor of activated T-cells, cytoplasmic 4 | NM_004554.1 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2310 | promyelocytic leukemia zinc finger protein (PLZF | AF060568 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2311 | putative transCRIPTION factor, partial | AJ009770 | 0 | 0.00% | 0 | 0.00% | 2 | 0.02% | 0 | 0.00% | 2 |
| 2312 | RE1-silencing transCRIPTION factor (REST) | NM_005612.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2313 | retinoblastoma-binding protein 1; RBP1 (RefSeq | NP_002883.1 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2314 | retinoblastoma-binding protein 2 (RBBP2) | NM_005056.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 2 |
| 2315 | SEF2-1A protein (SEF2-1A) | M74718.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2316 | seven in absentia (Drosophila) homolog 1 (SIAH | NM_003031.1 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2317 | small zinc finger-like protein (DDP2) | AF150087.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 | 0.01% | 2 |

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|------|---|-------------|---|-------|---|-------|---|-------|---|-------|---|
| 2318 | target of myb 1 (TOM1) | AJ006973.1 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2319 | TG-interacting factor (TALE family homeobox) (1 NM_003244.1 | | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2320 | thyroid hormone receptor-associated protein con AF117756.1 | | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2321 | thyroid receptor interactor trip15 | AF100762.1 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2322 | transcription elongation factor A (SII)-like 1 | M99701 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 | 0.01% | 2 |
| 2323 | transcription factor ETR101 | M62831 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2324 | transcription factor IIB | AF093680 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2325 | transcription factor TFIID subunit TAFII28 | X83928 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2326 | transcription factor WSTF (=AF084479 William AF072810 | | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2327 | zinc finger protein (MAZ) (=KNSL4, MAZ) | M94046.1 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2328 | zinc finger protein (ZFD25) (62% aa) | AB027251 | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 2 |
| 2329 | zinc finger protein 137 (ZNF137) | NM_003438.1 | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 2 |
| 2330 | zinc finger protein 261 (ZNF261) (=AB002383 Kig4827066 | | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2331 | zinc finger protein 264 (ZNF264), mRNA /cds=(3 Hs. 117077 | | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2332 | zinc finger protein ZNF140-like protein (LOC558: NM_018443.1 | | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 | 0.01% | 2 |
| 2333 | zinc-finger DNA-binding protein | D45132 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2334 | mago-nashi (Drosophila) homolog, proliferation-; NM_002370.1 | | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 2 |
| 2335 | cleavage and polyadenylation specificity factor 7 AF171877.1 | | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2336 | DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide NM_004939.1 | | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2337 | double-stranded RNA-binding nuclear protein NF AF167569.1 | | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 2 |
| 2338 | endonuclease/reverse transcriptase [Mus musc AAC53542.1 | | 0 | 0.00% | 0 | 0.00% | 2 | 0.02% | 0 | 0.00% | 2 |
| 2339 | M5-14 protein (LOC51300) | NM_016589.1 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2340 | nuclear matrix protein NMP200 related to splicing NM_014502.1 | | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 | 0.01% | 2 |
| 2341 | Nuclear protein SA-2 (=STAG2) | Z75331.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 2 |
| 2342 | nucleic acid binding protein sub2.3 | Z29505 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2343 | polyA site DNA | Z24724.1 | 0 | 0.00% | 0 | 0.00% | 2 | 0.02% | 0 | 0.00% | 2 |
| 2344 | RNA binding motif protein 6 (RBM6) | NM_005777.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 | 0.01% | 2 |
| 2345 | RNA binding motif protein 7 | AF156098.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 | 0.01% | 2 |
| 2346 | RNA binding motif protein 8 (RBM8) (=AF16146: gi4826971 | | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 | 0.01% | 2 |
| 2347 | RNA binding protein 15.5 kD | AF155235 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2348 | RNA helicase II/Gu protein | AF261917.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 | 0.01% | 2 |
| 2349 | RNA-directed DNA polymerase (EC | pirS21976 | 0 | 0.00% | 0 | 0.00% | 2 | 0.02% | 0 | 0.00% | 2 |
| 2350 | small nuclear ribonucleoprotein polypeptide B* (: NM_003092.1 | | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 2 |
| 2351 | small nuclear RNA (U2) | L37793.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2352 | SNAP-23 | U55936 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2353 | splicing factor 3a, subunit 3, 60kD (SF3A3) | NM_006802.1 | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 2 |
| 2354 | splicing factor arginine/serine-rich 7 (SFRS7) ge L41887.1 | | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2355 | splicing factor similar to dnaJ (SPF31) | NM_014280.1 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2356 | splicing factor SRp30c gene | U87279.1 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2357 | splicing factor, arginine/serine-rich 7 (35kD) (SFI NM_006276.2 | | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2358 | U2 small nuclear ribonucleoprotein auxiliary fact NM_005083.1 | | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2359 | U4/U6-associated RNA splicing factor (HPRP3P NM_004698.1 | | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2360 | U5 snRNP-associated 102 kDa protein | AF221842.1 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2361 | mitochondrial 12S and 16S rRNA | J01438 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 2 |
| 2362 | pre-mRNA cleavage factor I subunit | AJ001810 | 0 | 0.00% | 0 | 0.00% | 2 | 0.02% | 0 | 0.00% | 2 |
| 2363 | pre-mRNA cleavage factor Im (68kD) (CFIM) (=) 5901927 | | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 2 |
| 2364 | pre-mRNA splicing factor SF2p32 | M69039 | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 2 |
| 2365 | RNA polymerase I 40kD subunit | AF047441 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2366 | RNA polymerase II transcription factor SIII p18 L42856 | | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2367 | RPB5-mediated protein (RefSeq aa 3e-33) | NP_003787.1 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2368 | MN/CA9 | Z54349 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2369 | class II invariant gamma-chain | X03340 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 | 0.01% | 2 |
| 2370 | COT kinase proto-oncogene | AF133211.1 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2371 | EBNA-2 co-activator (100kD) (p100) | NM_014390.1 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2372 | immunoglobulin light chain (lambda) (=D80009 Ki D87018 | | 0 | 0.00% | 0 | 0.00% | 2 | 0.02% | 0 | 0.00% | 2 |
| 2373 | immunoglobulin heavy-chain | AB019441.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2374 | Jk-recombination signal binding protein (RBPJK) L07872 | | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2375 | male-specific lethal-3 (Drosophila)-like 1 (MSL3L NM_006800.1 | | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 2 |

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|------|---|--------------|---|-------|---|-------|---|-------|---|-------|---|
| 2376 | MHC class I HLA-B51 haplotype A2, B27/B51, C1 | M28205.1 | 0 | 0.00% | 0 | 0.00% | 2 | 0.02% | 0 | 0.00% | 2 |
| 2377 | MHC class I HLA-Bw62 | M28204.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2378 | PC326 protein (PC326) | NM_018442.1 | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 2 |
| 2379 | recombination activating protein (RAG2) | M94633 | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 2 |
| 2380 | strain ECOR 52 rfd operon | AF053954.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 | 0.01% | 2 |
| 2381 | brain and reproductive organ-expressed (TNFR) | NM_004899.1 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2382 | ALEX3 protein (ALEX3) | NM_016607.1 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2383 | antigen identified by monoclonal antibody Ki-67 | NM_002417.1 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2384 | Centrosome- and Golgi-localized PKN-associate | AB019691.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 | 0.01% | 2 |
| 2385 | DnaJ-like protein (Hsj2) | AF055654 | 0 | 0.00% | 0 | 0.00% | 2 | 0.02% | 0 | 0.00% | 2 |
| 2386 | hepatocellular carcinoma-associated antigen 58 | NM_016436.1 | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 2 |
| 2387 | MAGE tumor antigen D1 (MAGE-D1) | AF124440.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2388 | modulator recognition factor 2 (MRF-2) | M73837.1 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2389 | nuclear protein stromal antigen 1 (SA-1) | NM_005862.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 2 |
| 2390 | paraneoplastic antigen MA1 (PNMA1) | NM_006029.1 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2391 | partial CHI3L1 gene for cartilage glycoprotein-39 | AJ251847.1 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2392 | stress protein Herp, = KIAA0025 | AB034989 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2393 | sulfotransferase family, cytosolic, 1A, phenol-pre | NM_003166.1 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2394 | T-cell activation protein (PGR1) gene | AF116272.1 | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 2 |
| 2395 | T-cluster binding protein | D64015.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2396 | Alg5, S. cerevisiae, homolog of (ALG5) (=AF161 | NM_013338.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 | 0.01% | 2 |
| 2397 | B-factor, properdin (RefSeq aa 5e-30) | NP_001701.1 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2398 | cytovillin 2 (VIL2) (=X51521 ezrin) | J05021 | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 2 |
| 2399 | lysosomal sialoglycoprotein | D12676.1 | 0 | 0.00% | 0 | 0.00% | 2 | 0.02% | 0 | 0.00% | 2 |
| 2400 | beta-subunit signal transducing proteins GS/GI | (AF070597 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2401 | epithelial membrane protein-3 (=U52101 YMP; L | X94771 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2402 | globin alpha | M69023 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2403 | integral membrane serine protease Seprase | U76833 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 | 0.01% | 2 |
| 2404 | LIM domain only 4 (LMO4) | gi7108354 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 | 0.01% | 2 |
| 2405 | multispanning membrane protein | U94831 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2406 | PLASMA-CELL MEMBRANE GLYCOPROTEIN | P22413 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2407 | pM5 protein (PM5) | NM_014287.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2408 | progesterone receptor membrane component 2 (Hs.9071 | | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 | 0.01% | 2 |
| 2409 | secretory carrier membrane protein 1 (SCAMP1) | NM_004866.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2410 | Translocase of outer mitochondrial membrane 7 | (NM_014820.1 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2411 | transmembrane glycoprotein (CD44 gene) | AJ251595.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 | 0.01% | 2 |
| 2412 | transmembrane protein Jagged 1 (HJ1) | AF028593.1 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2413 | mulL homolog 1 (RefSeq aa 4e-76) | NP_000240.1 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2414 | DNA/RNA-binding protein | U20272.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2415 | RAD50 | Z75311 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2416 | adenylate kinase 1 (hAK1) | AB021871.1 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2417 | adenylate kinase 3 alpha (AK3) | AB021870 | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 2 |
| 2418 | C1-inhibitor | X54486 | 0 | 0.00% | 0 | 0.00% | 2 | 0.02% | 0 | 0.00% | 2 |
| 2419 | carbonyl reductase 1 (CBR1) | NM_001757.1 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2420 | coagulation factor V (proaccelerin, labile factor) | (NM_000130.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 2 |
| 2421 | glutathione peroxidase 4 (phospholipid hydroper | NM_002085.1 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2422 | glutathione-S-transferase like; glutathione transfr | Hs.11465 | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 2 |
| 2423 | gp25L2 protein | X90872 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2424 | metallothionein isoform 1R | X97261.1 | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 2 |
| 2425 | MITOCHONDRIAL THIOREDOXIN-DEPENDEN | spP30048 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 | 0.01% | 2 |
| 2426 | peroxiredoxin 5 (PRDX5), mRNA /cds=(36,680), Hs.31731 | | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2427 | thioredoxin-like, 32kD (TXNL) | NM_004786.1 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2428 | truncated SON protein (Son) (=AF161430.1 HSF | AF193607.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 2 |
| 2429 | von Willebrand factor (=X04385) | M10321 | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 2 |
| 2430 | Arfaptin 2 (partner of RAC1) (POR1) | NM_012402.1 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2431 | Arf-like 2 binding protein BART1 | AF126062.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2432 | clathrin heavy chain (=D21260 human hypotheti | J03583 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2433 | sodium-dependent multivitamin transporter (SM | AF116241.1 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |

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|------|--|-------------|---|-------|---|-------|---|-------|---|-------|---|
| 2434 | synaptic glycoprotein SC2 spliced variant | AF038958 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2435 | synaptobrevin-like 1 (SYBL1) | gi5032136 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 | 0.01% | 2 |
| 2436 | ch-TOG protein (=D43948.1 KIAA0097) | X92474.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2437 | centrin 3; <i>Saccharomyces cerevisiae</i> CDC31 homolog | NP_004356.1 | 0 | 0.00% | 3 | 0.02% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2438 | CGI-09 protein | AF132943.1 | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 2 |
| 2439 | CGI-104 protein (=AF078862.1 PTD009) | AF151862.1 | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 2 |
| 2440 | CGI-107 protein | AF151865.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 2 |
| 2441 | CGI-108 protein (LOC51013) | NM_016046.1 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2442 | CGI-132 protein | AF151890.1 | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 2 |
| 2443 | CGI-141 protein | AF151899.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2444 | CGI-30 protein (=Z49907 <i>C. elegans</i> diphthine sy | AF132964.1 | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 2 |
| 2445 | CGI-60 protein (LOC51626), | NM_016008.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 2 |
| 2446 | CGI-61 protein | AF151819.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 | 0.01% | 2 |
| 2447 | CGI-72 protein (RefSeq aa 2e-90) | NP_057102.1 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2448 | CGI-75 protein (RefSeq aa 4e-57) | NP_057104.1 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2449 | CGI-81 protein | AF151839.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 2 |
| 2450 | CGI-82 protein | AF151840.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 | 0.01% | 2 |
| 2451 | CGI-83 protein (LOC51110) | NM_016027.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2452 | CGI-97 protein | AF151855.1 | 0 | 0.00% | 0 | 0.00% | 2 | 0.02% | 0 | 0.00% | 2 |
| 2453 | cytoplasmic dynein intermediate chain 2 (Dncic2 | AF063231 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 | 0.01% | 2 |
| 2454 | cytoplasmic intermediate filament protein | AJ004935.1 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2455 | Dynein intermediate chain 2, cytosolic (dh ic-2) (| spO88487 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 | 0.01% | 2 |
| 2456 | golgin-like protein (GLP) gene (=U61167.1 SH3 c | AF266285.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2457 | kinesin family member 4 (KIF4), mRNA | NM_012310.2 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2458 | microtubule-associated protein 1a (MAP1A) | U38292.1 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2459 | MICROTUBULE-ASSOCIATED PROTEIN 1B [C | P46821 | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 2 |
| 2460 | NC2 alpha | X96506.1 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2461 | Norrie disease protein (NDP) | X65882 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 2 |
| 2462 | collagen-binding protein 2 (collagen 2) (CBP2) | NM_001235.1 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2463 | entactin | X14194 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 | 0.01% | 2 |
| 2464 | epsilon-sarcoglycan | AJ000534.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2465 | hematopoietic proteoglycan core protein (=M900 | X17042 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2466 | osteonidogen (=AJ223500 nidogen-2) | D86425 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 2 |
| 2467 | STIP1 homology and U-Box containing protein 1 | NM_005861.1 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2468 | tenascin | X56160 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 | 0.01% | 2 |
| 2469 | lymphocyte cytosolic protein 1 (L-plastin) (LCP1 | NM_002298.2 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 | 0.01% | 2 |
| 2470 | actin binding protein MAYVEN | AF059569.1 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2471 | actin depolymerizing factor | S65738 | 0 | 0.00% | 0 | 0.00% | 2 | 0.02% | 0 | 0.00% | 2 |
| 2472 | adaptor protein CMS | AF146277.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 2 |
| 2473 | alpha-actinin-2 associated LIM protein | AF002282 | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 2 |
| 2474 | Crystallin, zeta (quinone reductase)-like 1 (CRY | NM_005111.1 | 0 | 0.00% | 0 | 0.00% | 2 | 0.02% | 0 | 0.00% | 2 |
| 2475 | cytoplasmic dynein heavy chain (=AB002323 Hu | D13896 | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 2 |
| 2476 | gamma adducin | Y14379.1 | 0 | 0.00% | 0 | 0.00% | 2 | 0.02% | 0 | 0.00% | 2 |
| 2477 | keratin 18 (K18) | M24842 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 2 |
| 2478 | plakophilin 2b (ORF) | X97675 | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 2 |
| 2479 | profilin | J03191 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2480 | utrophin (homologous to dystrophin) (UTRN) | NM_007124.1 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2481 | actin related protein 2/3 complex, subunit 3 (21 | Hs.6895 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2482 | muscle-specific protein (LOC51778) | NM_016599.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2483 | myosin X (MYO10) | AF247457.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 | 0.01% | 2 |
| 2484 | myosin, heavy polypeptide 3, skeletal muscle, ei | XM_052579.2 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2485 | myotubularin related protein 6 | AF072928 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 2 |
| 2486 | integral inner nuclear | NM_014319.2 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2487 | lamin A/C (LMNA) | XM_044160.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2488 | nucleoporin p54 | U63840 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 2 |
| 2489 | plectin (PLEC1) | U63610 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2490 | aryl hydrocarbon receptor-interacting protein (Ail | NM_003977.1 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2491 | Toll-like receptor 2 (TLR2) mRNA, (ORF) | U88878 | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 2 |

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|------|--|-------------|---|-------|---|-------|---|-------|---|-------|---|
| 2492 | Toll-like receptor 4 (TLR4) | U88880 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2493 | B219/OB receptor isoform HuB219.1 | U52912 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 2 |
| 2494 | bone morphogenetic protein receptor, type IA (B | NM_004329.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2495 | Ets transcription factor (NERF-2) | U43188 | 0 | 0.00% | 0 | 0.00% | 2 | 0.02% | 0 | 0.00% | 2 |
| 2496 | Fc-gamma-receptor IIIB (FCGR3B) | M90746 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 | 0.01% | 2 |
| 2497 | G protein gamma 5 subunit | AF038955.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2498 | G protein-coupled receptor 69A (GPR69A) (=p4 | NM_006055.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 2 |
| 2499 | histamine N-methyltransferase(HNMT) | U08092 | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 2 |
| 2500 | h-ryk | X69970.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 2 |
| 2501 | interferon gamma receptor 1 (IFNGR1) (ORF) | NM_000416.1 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2502 | interferon gamma receptor accessory factor-1 (A | U05877 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2503 | interleukin 16 (IL16) | AF077011 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2504 | mannose receptor, C type 1 (MRC1) | NM_002438.1 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2505 | nuclear receptor coactivator 3 (NCOA3) | NM_006534.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2506 | nuclear receptor co-repressor 1 (NCOR1) | NM_006311.1 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2507 | nuclear receptor subfamily 4, group A, member | NM_006186.1 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2508 | nuclear RNA helicase, DECD variant of DEAD b | NM_005804.1 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2509 | PAR3 (PAR3) | AF252293.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2510 | peripheral benzodiazepine receptor-associated | NM_004758.1 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2511 | platelet-derived growth factor A chain (PDGFA) | (M83575 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2512 | PMEPA1 protein (PMEPA1) | NM_020182.1 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2513 | retinoic acid-binding protein II (CRABP-II) (=M68 | M97814 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2514 | RYK tyrosine kinase | S59184.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 2 |
| 2515 | TRIP6 (thyroid receptor interacting protein) (=AF | AJ001902 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2516 | v-jun avian sarcoma virus 17 oncogene homolog | NM_002228.2 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2517 | xenotropic and polytropic murine leukemia virus | AF089744.1 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2518 | 14-3-3 protein, a protein kinase regulator | X56468 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 | 0.01% | 2 |
| 2519 | bifunctional ATP sulfurylase/adenosine 5'-phosp | AF033026.1 | 0 | 0.00% | 0 | 0.00% | 2 | 0.02% | 0 | 0.00% | 2 |
| 2520 | calmodulin-dependent protein phosphatase cata | L14778 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 | 0.01% | 2 |
| 2521 | ERK activator kinase (MEK2) | L11285 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2522 | mitogen-responsive phosphoprotein DOC-2 | U53446 | 0 | 0.00% | 0 | 0.00% | 2 | 0.02% | 0 | 0.00% | 2 |
| 2523 | protein kinase C, mu (PRKCM) | NM_002742.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2524 | serine-threonine protein kinase (MNBH) | AF108830.1 | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 2 |
| 2525 | cAMP-specific phosphodiesterase 8B (PDE8B) | AF079529 | 0 | 0.00% | 0 | 0.00% | 2 | 0.02% | 0 | 0.00% | 2 |
| 2526 | cGMP phosphodiesterase | X62695 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 | 0.01% | 2 |
| 2527 | monoamine oxidase B (MAOB) | NM_000898.1 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2528 | A kinase (PRKA) anchor protein 2 (AKAP2)(= Kl. | NM_007203.1 | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 2 |
| 2529 | associated molecule with the SH3 domain of ST. | NM_006463.1 | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 2 |
| 2530 | adenomatous polyposis coli (APC) | gi4557318 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2531 | breakpoint cluster region (BCR) gene | U07000.1 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2532 | brefeldin A-inhibited | NM_006421.2 | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 2 |
| 2533 | dexamethasone-induced ras-related protein 1 (D | AF262018.1 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2534 | guanine nucleotide exchange factor p532 | U50078 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2535 | GUANINE NUCLEOTIDE-BINDING PROTEIN B spP | 25388 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 | 0.01% | 2 |
| 2536 | low-Mr GTP-binding protein (RAB32) | U59878 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 2 |
| 2537 | MAD-3 (IkB-like activity) | M69043 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 | 0.01% | 2 |
| 2538 | N-acetylneuraminic acid phosphate synthase; si | NM_018946.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2539 | nucleolar GTPase (HUMAUNANTIG) | NM_013285.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2540 | Rab5-interacting protein | AF112213.1 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2541 | Rab9 effector p40 | Z97074 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2542 | Ran_GTP binding protein 5 | Y08890.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2543 | Ras suppressor protein 1(RSU1),(= RSU-1/RSP | NM_012425.2 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2544 | Rho guanine nucleotide exchange factor (GEF) | NM_004706.1 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2545 | Rho guanine nucleotide-exchange factor, splice | AJ010045.1 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2546 | Rho-associated, coiled-coil containing protein kir | NM_005406.1 | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 2 |
| 2547 | SH3 binding protein | AB005047 | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 2 |
| 2548 | SH3-domain binding protein 5 (BTK-associated) | NM_004844.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2549 | signal transducing adaptor molecule (SH3 doma | NM_003473.1 | 0 | 0.00% | 0 | 0.00% | 2 | 0.02% | 0 | 0.00% | 2 |

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|---|-------------|---|-------|---|-------|---|-------|---|-------|---|
| 2550 small GTP-binding protein rab22b | AF183421.1 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2551 Src-like-adaptor (SLA) | NM_006748.1 | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 2 |
| 2552 adrenal specific pG2 (=U15981 dlk) | X17544 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2553 novel antagonist of FGF signaling (sprouty-1) | AF041037.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2554 abundant in neuroepithelium area (BTG3) (=D64 gi5802989 | | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 2 |
| 2555 bone morphogenetic protein 5 (BMP5) | NM_021073.1 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2556 bone morphogenetic protein-3b gene | D49493.1 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2557 follistatin | M19480 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2558 glioblastoma amplified sequence (GBAS) | AF029786 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 2 |
| 2559 growth associated protein 43 (GAP43) | NM_002045.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2560 hepatocyte growth factor activator inhibitor type : AB006534 | | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2561 hepatoma-derived growth factor | D16431 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2562 high-risk human papilloma viruses E6 oncoprote | AF090989.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2563 interferon-gamma | U10360 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 | 0.01% | 2 |
| 2564 macrophage-specific colony-stimulating factor (C | M37435.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 2 |
| 2565 midkine (neurite growth-promoting factor 2) (MDI | gi4505134 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2566 monocyte chemotactic protein-3 (MCP-3) | X72308 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 2 |
| 2567 neuromedin B | M21551 | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 2 |
| 2568 p8 protein (candidate of metastasis 1) (P8) | NM_012385.1 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2569 polydom protein | AAG32160.1 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2570 SKI-INTERACTING PROTEIN (RefSeq aa 7e-5f NP_036377.1 | | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2571 uncharacterized bone marrow protein BM042 (BINM_018458.1 | | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2572 cullin 5 (CUL5) | NM_003478.1 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2573 ADP-ribosylation factor 6 (ARF6) | NM_001663.2 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2574 ADP-ribosylation factor domain protein 1, 64kD (| NM_001656.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2575 ADP-ribosylation factor[arf]-directed GTPase act | gi4502248 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 | 0.01% | 2 |
| 2576 ADP-ribosylation factor-like 3 (ARL3) | NM_004311.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 | 0.01% | 2 |
| 2577 calyculin binding protein | AF057356.1 | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 2 |
| 2578 FE65-like protein (hFE65L) | U62325.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2579 hepatocyte growth factor-like protein homolog (lc | U28055 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2580 monocyte/neutrophil elastase inhibitor | AF053630 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 | 0.01% | 2 |
| 2581 poly (ADP-ribose) polymerase (=J03473; M2978 M18112 | | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2582 chloride channel nucleotide-sensitive, 1A (CLNS | NM_001293.1 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2583 ecotropic viral integration site 5 (EVI5) | NM_005665.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 2 |
| 2584 JTV-1 (JTV-1) | U24169 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2585 membrane protein, type II clone:HP10390 | AB015631.1 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2586 membrane protein-like protein | U21556 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2587 potassium voltage-gated channel, delayed-rectifi | NM_002252.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 2 |
| 2588 stomatin-like protein 2 (SLP-2) | NM_013442.1 | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 2 |
| 2589 voltage-dependent anion channel isoform 2 (VDI | AF152227.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2590 MacMarcks | X70326 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2591 mast cell carboxypeptidase A | M27717 | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 2 |
| 2592 cell adhesion protein (vitronectin) receptor alpha | M14648 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 | 0.01% | 2 |
| 2593 goliath protein | AF155650.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2594 integrin alpha-11 subunit precursor (ITGA11) | AF109681.1 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2595 integrin, alpha V(vitronectin receptor, alpha poly | NM_002210.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 2 |
| 2596 platelet/endothelial cell adhesion molecule-1 (PE | L34657 | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 2 |
| 2597 protocadherin 43 gene | AF119570 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2598 TRAF and TNF receptor associated protein (ttra | AJ269473.1 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2599 chromodomain helicase DNA binding protein 4 (i | NM_001273.1 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2600 chromodomain protein, Y chromosome-like (CD | NM_004824.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 2 |
| 2601 chromosome-associated polypeptide C (CAP-C) | NM_005496.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2602 Gu protein = PC6010 RNA helicase Gu | U41387.1 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2603 histone acetyltransferase (HBOA) | NM_007067.1 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2604 histone acetyltransferase (MORF), (ORF) | NM_012330.1 | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 2 |
| 2605 histone deacetylase 2 (HDAC2) (=U31814 transt | gi4557640 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 | 0.01% | 2 |
| 2606 histone maCRoH2A1.2 | AF054174 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2607 non-histone chromatin protein HMG1 (HMG1) g | U51677.1 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |

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|------|---|---|-------|---|-------|---|-------|---|-------|---|
| 2608 | SCG10 like-protein, helicase-like protein NHL, MAF217796.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2609 | telomerase binding protein p23 (LOC56351) NM_019766.1 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2610 | menage a trois 1 (CAK assembly factor) (MNAT) NM_002431.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2611 | camptothecin resistant clone CEM/C2 DNA topo U07806.1 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2612 | cdc14 homologue AF000367 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2613 | CDC28 protein kinase 2 (CKS2) 4502858 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2614 | cell cycle protein (PA2G4) gene AF104670.1 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2615 | cell division cycle 20, S.cerevisiae homolog (CD) NM_001255.1 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2616 | cullin 2 (CUL2) AF126404.1 | 0 | 0.00% | 0 | 0.00% | 2 | 0.02% | 0 | 0.00% | 2 |
| 2617 | dedicator of cytokinesis 1 (DOCK1) NM_001380.1 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2618 | DNA for (CGG)n trinucleotide repeat region, isol: AJ001216.1 | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 2 |
| 2619 | G1 to S phase transition 1 (GSPT1) XM_055673.1 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2620 | growth arrest-specific 6 (GAS6) NM_000820.1 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2621 | growth arrest-specific 7 (GAS7), transCRipt vari: 5360211 | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 2 |
| 2622 | GTP-binding protein RAB21 (RAB21) = KIAA011AF091035 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 2 |
| 2623 | MAC30 L19183 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2624 | rhoB M74295 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2625 | Topoisomerase I CAA18536.1 | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 2 |
| 2626 | X-linked nuclear protein (ATRX) AF000160 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2627 | API5-like 1 (API5L1) NM_006595.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2628 | bedlin 1 (BECN1)mRNA, (=bedlin 1 (coiled-coil, AF139131.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2629 | BNIP3L AB004788.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 | 0.01% | 2 |
| 2630 | CASP8 associated protein 2 (RefSeq aa 2e-87) NP_036247.1 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2631 | CED-6 protein (CED-6) NM_016315.1 | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 2 |
| 2632 | dual-specificity protein phosphatase U15932.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2633 | neuronal apoptosis inhibitory protein U19251 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 2 |
| 2634 | NOD1 protein (NOD1) gene AF149773.1 | 0 | 0.00% | 0 | 0.00% | 2 | 0.02% | 0 | 0.00% | 2 |
| 2635 | programmed cell death 6 (PDCD6) NM_013232.1 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2636 | 45kDa splicing factor AF083384 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2637 | KH-type splicing regulatory protein (KHSRP) NM_003685.1 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2638 | polymerase (DNA-directed) kappa (POLK), mRN Hs.135756 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2639 | polymerase (RNA) II (DNA directed) polypeptide NM_006234.1 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2640 | Replication factor C (activator 1) 4 (37kD) NM_002916.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 | 0.01% | 2 |
| 2641 | replication protein A1 (70kD) (RPA1) NM_002945.1 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2642 | replication protein A2 (32kD)(RPA2) NM_002946.1 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2643 | anaphase-promoting complex subunit 4 (APC4) NM_013367.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 | 0.01% | 2 |
| 2644 | cell division control protein 16 (CDC16) mRNA, c AF164598.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2645 | cysteine and glycine-rich protein 2 (CSRP2) (cor U95018 | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 2 |
| 2646 | Notch2-like (Notch2l) NM_008715.1 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2647 | p53 regulated PA26 nuclear protein (PA26) NM_014454.1 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2648 | proto-oncogene (Wnt-5a) L20681.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 2 |
| 2649 | Pro-X carboxypeptidase precursor (RefSeq aa 7-NP_005031.1 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2650 | ras inhibitor M37190 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2651 | SEPTIN 2 HOMOLOGUE (SEP2) Q14141 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2652 | tumor antigen SLP-8p (HCC8)= AF102177.1(OR NM_016516.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2653 | tumor differentially expressed 1 (RefSeq aa 1e-7 NP_006802.1 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2654 | tumor necrosis factor alpha-induced protein 6 (T NM_007115.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 2 |
| 2655 | tumor neCrosis factor receptor M58286 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2656 | tumor necrosis factor(ligand) superfamily, memb NM_003810.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 | 0.01% | 2 |
| 2657 | tumor protein D52 (TPD52)(= N8=tumor express NM_005079.1 | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 2 |
| 2658 | tumor suppressor protein (101F6), putative AF040704 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2659 | tumor susceptibility protein (TSG101) U82130 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2660 | integral type I protein NM_007364.1 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2661 | musculus DnaJ-like protein 1 (Dnaj1) NM_007869.1 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2662 | PROBABLE ARP2/3 COMPLEX 20 KD SUBUNIT spQ18491 | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 2 |
| 2663 | protein kinase NY-REN-64 antigen (LOC51135) NM_016123.1 | 0 | 0.00% | 0 | 0.00% | 2 | 0.02% | 0 | 0.00% | 2 |
| 2664 | semipalmatus 18S ribosomal RNA gene, comple AF173638.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2665 | 19 kDa subunit of NADH (complex I) X59697 | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 |

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|------|---|---------------|---|-------|---|-------|---|-------|---|-------|---|
| 2666 | proteasome (prosome macropain) activator subunit | NM_002818.1 | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 2 |
| 2667 | proteasome subunit p45 26S | D44467 | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 2 |
| 2668 | F-box only protein 2 (FBXO2) | NM_012168.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2669 | ubiquitin specific protease | NM_004505.1 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2670 | transcription factor ZFM1 (=L49380;L49345;Y0 D26120 | | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 2 |
| 2671 | RNA for Golgi protein (GPP34 gene) | AJ296152.1 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 2 |
| 2672 | dnchc2 cytoplasmic dynein heavy chain | AB041881.1 | 0 | 0.00% | 0 | 0.00% | 2 | 0.02% | 0 | 0.00% | 2 |
| 2673 | kinesin family member 3B (KIF3B) (=KIAA0359) | NM_004798.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 2 |
| 2674 | CAK1 mRNA for Cdk-activating kinase=cyclin-de | X77303 | 0 | 0.00% | 0 | 0.00% | 2 | 0.02% | 0 | 0.00% | 2 |
| 2675 | guanylate binding protein isoform 1 (GBP-2) | M55542 | 0 | 0.00% | 0 | 0.00% | 2 | 0.02% | 0 | 0.00% | 2 |
| 2676 | CYTOCHROME C OXIDASE POLYPEPTIDE VI | P09669 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 2 | 0.01% | 2 |
| 2677 | solute carrier family 16 (monocarboxylic acid tra | NM_004731.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 2 |
| 2678 | eukaryotic translation initiation factor 4B (EIF4B) | NM_001417.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2679 | mitogen inducible gene mig-2 | Z24725 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 2680 | metallothionein | X97260 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 2681 | nucleoplasmin-3 (NPM3) | AF081280 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2682 | ATP SYNTHASE COUPLING FACTOR 6, MITO | spP18859 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 2683 | cytochrome c oxidase COX subunit IV (COX IV) | M21575 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2684 | aminopeptidase PILS (APPILS) | AF183569.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 2685 | heat shock protein, DNAJ-like 2 (HSJ2) | NM_001539.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2686 | cytochrome P450 (CYP1A2) | M31667 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2687 | integral membrane protein Tmp21-I (p23) | AJ004913.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 2688 | cadherin 11, OB-cadherin(osteoblast) (CDH11); | NM_001797.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2689 | solute carrier family 4, anion exchanger, membe | NM_005070.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2690 | beta-galactosidase (GLB1) | M34423.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2691 | protein phosphatase 2A 130 kDa regulatory sub | L07590 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 2692 | 5' cap guanine-N-7 methyltransferase (RNMT) | AF067791.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 | 0.01% | 1 |
| 2693 | calcineurin A1 | M29550.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 2694 | baculoviral IAP repeat-containing 6 (BIRC6) | NM_016252.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2695 | PTD019 (=HSPC203) | AF226729.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2696 | spastic paraplegia 4 | NM_014946.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2697 | uncharacterized protein | AK002062 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 2698 | a disintegrin and metalloproteinase domain 28 | (/NM_014265.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 2699 | procollagen-proline, 2-oxoglutarate4-dioxygenas | NP_000908.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2700 | proteasome (prosome, macropain) 26S subunit | NM_002816.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 2701 | c-maf long form | AF055377.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 2702 | Kruppel-like zinc finger protein Zf9 | AF001461 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2703 | Tat-interacting protein (30kD) (TIP30) | 5454125 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 2704 | zinc finger protein | L16896 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2705 | zinc finger protein 22 (KOX 15) (RefSeq aa 1e-4 | NP_008894.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2706 | ribonucleoprotein gene 60-kD SS-A/Ro D8 | U44388.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 2707 | betaglycan (TBR III gene) | AJ251961.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2708 | Estrogen receptor 1 (ESR1) | NM_000125.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 1 |
| 2709 | glucocorticoid-induced leucine zipper GILZ prote | AF024519 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2710 | activated leucocyte cell adhesion molecule (ALC | NM_001627.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 2711 | BCL2-associated athanogene 3 (BAG3), mRNA | Hs.15259 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 2712 | fetal liver cDNA library | AI133292.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 2713 | unnamed protein product | BAB15083.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2714 | solute carrier family 16 (monocarboxylic acid tra | gi4759113 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 2715 | muscle-type phosphofructokinase (PFK-M) gene | M59741 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 2716 | protein tyrosine phosphatase (PRL-1) | L39000 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2717 | 5-lipoxygenase activating protein (FLAP) (arach | M63262.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 2718 | NADH dehydrogenase (ubiquinone) 1 alpha sub | NM_004542.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2719 | SUCCINATE DEHYDROGENASE [UBIQUINON | spP31040 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 2720 | translation initiation factor IF2 (IF2)(ORF) | NM_015904.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 2721 | PROTEASOME THETA CHAIN (MACROPAIN 1 | spP49720 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 2722 | general transcription factor IIE, polypeptide 2 | NM_002095.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2723 | hematopoietic-derived zinc fingerprotein (RefSet | NP_004867.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |

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|------|--|---------------|---|-------|---|-------|---|-------|---|-------|---|
| 2724 | zinc finger protein 208(ZNF208) | NM_007153.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 2725 | ZNF202 beta (ZNF202) | AF027219 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 2726 | pirin (PIR) | gl4505822 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 2727 | U6 snRNA | X59362 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2728 | RNA polymerase II subunit | U37690.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2729 | mitochondrial ribosomal protein L20 (MRPL20), i | XM_027716.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 2730 | MHC class I HLA-C-alpha-2 chain | M24097 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 2731 | beta-preprotachykinin | X54469.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2732 | pre-B-cell colony-enhancing factor (PBEF) | NM_005746.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 2733 | adaptor-related protein complex 3, beta 1 subunit | NM_003664.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2734 | transmembrane 4 superfamily member (tetraspa | NM_012338.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 2735 | adaptor-related protein complex 3, delta 1 subunit | NM_003938.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2736 | seven transmembrane domain protein (NIFIE14) | NM_006326.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2737 | DNA topoisomerase III | U43431.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2738 | SWI/SNF related, matrix associated, actin deper | NP_003061.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 2739 | methyltransferase (H4SJ4442) | NM_017528.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2740 | collagen binding protein 2 | D83174.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2741 | syndecan-1 gene (exons 2-5) | Z48199.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 2742 | CC-chemokine receptor(CCR-5) gene, delta-32 | :AF009962.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 2743 | interferon, alpha-inducible protein 27(RefSeq aa | NP_005523.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2744 | mitogen-activated protein kinase 6 (MAPK6) | NM_002748.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2745 | MAD (mothers against decapentaplegic, Drosopi | NM_005904.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2746 | developmentally regulated GTP-binding protein ; | X80754 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2747 | melanoma differentiation associated (mda-6)= L | U09579.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2748 | ADP-ribosylation factor-like 1 (ARL1) | NM_001177.2 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 2749 | mannose-specific lectin (MR60) | U09716.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 2750 | postmeiotic segregation increased 2-like 8 (RefS | NP_005385.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2751 | spindlin (Spin) | NM_011462.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 2752 | p53 binding protein | U82939.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 2753 | BRAIN PROTEIN I3 | P28662 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2754 | cerebellar degeneration-related protein (34kD) (| NM_004065.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2755 | fetal brain oculocerebrorenal syndrome (OCRL1 | U57627 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 2756 | fungal sterol-C5-desaturase homolog | D85181.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 2757 | HSPC280 | AF161398.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 2758 | HSPC282 | AF161400 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2759 | hypothetical protein MGC3037 (MGC3037), mRf | Hs.301789 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 2760 | immature colon carcinoma transcript 1(RefSeq a | NP_001536.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2761 | integral membrane protein type II (NKG2-D) (=U | AF001297 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 2762 | isolate Indonesian 79 type 299 mitochondrial cor | AF176203 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2763 | KIAA0250 gene | NM_014837.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 2764 | KIAA0260 gene | D87449.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 2765 | KIAA0388 | AB002386.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2766 | KIAA0576 protein | AB011148.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 2767 | NTT gene (L1 Alu and MER 38 repeat regions) | U54776.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 2768 | ORF2-like protein | AAD04635.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 2769 | PMS2L13 | AB017004.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 2770 | putative (LOC116228), mRNA | XM_057659.2 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 2771 | RAB, member of RAS oncogene family-like 2B (I | NM_007081.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 2772 | sushi-repeat protein (SRPUL) | NM_014467.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2773 | VACUOLAR ATP SYNTHASE SUBUNIT H (V-A spO | 15342 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 2774 | nicotinamide nucleotide transhydrogenase (NNT | NM_012343.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 2775 | palmitoylated membrane protein 3 (RefSeq aa | 1:NP_001923.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2776 | protein phosphatase 4 regulatory subunit 1 (PPF | NM_005134.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2777 | POLY(A) POLYMERASE (PAP) (POLYNUCLEC | spP51003 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 2778 | ATP-citrate lyase | X64330 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2779 | phosphatidic acid phosphatase type 2c (Ppap2c | :AF123611.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 2780 | cytochrome c (HS7) processed pseudogene | M22893.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 2781 | mitochondrial 3-ketoacyl-CoA thiolase beta-subu | D16481.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |

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|------|--|---|-------|---|-------|---|-------|---|-------|---|
| 2782 | mitochondrial acetoacetyl-coenzyme A thiolase (D90228 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 2783 | mitochondrial elongation factor G L14684 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 2784 | mitochondrial F1FO-type ATPase subunit d AF087135.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 2785 | NADH dehydrogenase (ubiquinone) 1 alpha sub NP_004993.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2786 | ubiquinol cytochrome-c reductase core I protein L16842 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 2787 | aspartyl protease(BACE2) mRNA, complete cds AF188277.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2788 | carbaryl phosphate synthetase I AF154830.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 2789 | glutamine:fructose-6-phosphate amidotransferase M90516.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 2790 | selenium donor protein (selD) U34044 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2791 | tousled-like kinase 1 (RefSeq aa 1e-49) NP_036422.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2792 | peroxisomal biogenesis factor 3 (PEX3) NM_003630.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 2793 | peroxisome biogenesis disorder protein 1 (PEX1 AF026086 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2794 | signal recognition particle receptor ('docking prot NM_003139.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2795 | UBIQUITIN CARBOXYL-TERMINAL HYDROLASE sp075317 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 2796 | ubiquitin specific protease 11 (USP11) NM_004651.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2797 | ASH2L (absent, small, or homeotic, Drosophila, NM_004674.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 2798 | c-myc gene 1001205A | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2799 | colon Kruppel-like factor (CKLF) AF132818.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2800 | general transcription factor IIF, polypeptide 1 (74 NM_002096.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2801 | hedgehog-interacting protein (Hip) AF116865.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 2802 | HZF3 mRNA for zinc finger protein(ORF) X78926 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 2803 | Nef-associated factor 1(NAF1) mRNA NM_005058.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 2804 | retinoblastoma-binding protein 8 (RBBP8) NM_002894.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 2805 | transcription elongation factor S-II, hS-II-T1 D50495 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2806 | transcription factor 4, Helix-loop-helix transcrip M65209 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 2807 | zinc finger protein (PRD51) gene U88082.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2808 | Zinc-finger helicase (hZFH) U91543.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2809 | capping enzyme (HCE) AF025654 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 2810 | cleavage and polyadenylation specific factor 4, 3 NM_006693.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2811 | DEAD-box protein p72 (P72) U59321 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2812 | TFIID subunit p22 D50544 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 2813 | U5 snRNP 100 kD protein AF026402.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2814 | nasopharyngeal carcinoma susceptibility protein NP_037407.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2815 | HLA-B gene (HLA-B*0801 allele), complete cds D83956.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2816 | diphtheria toxin resistance protein required for dip NM_001383.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2817 | heat-responsive protein 12 (Hrsp12) NM_008287.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 2818 | neuronal tissue-enriched acidic protein (NAP-22) AF039656 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 2819 | xeroderma pigmentosum complementation group NM_004628.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 2820 | carbonic anhydrase II (CA2) NM_000067.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2821 | PKCq-interacting protein PICOT (PICOT) (ORF) AF118652 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 2822 | hect domain and RLD 3 (HERC3) NM_014606.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2823 | 33 kDa Vamp-associated protein (VAP33) AF044670 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 2824 | CGI-76 protein AF151834.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 2825 | ankyrin-like protein Y10601.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 2826 | F-actin capping protein beta subunit U03271 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 2827 | cardiac ventricular troponin C AF020769 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2828 | tropomyosin isoform Z24727 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 2829 | 22 kDa peroxisomal membrane protein-like (LOC NM_018663.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2830 | angiotensin receptor 1 (AGTR1) NM_009585.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 2831 | dickkopf (Xenopus laevis) homolog 1 (DKK1) NM_012242.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 2832 | epidermal growth factor receptor substrate (eps1 U07707 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 2833 | FYN oncogene related to SRC, FGR, YES (FYN NM_002037.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2834 | G protein Golf alpha gene U55184.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2835 | glucocorticoid receptor alpha U25029.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2836 | Homer, neuronal immediate early gene, 1B (SYN NM_004272.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2837 | interferon, alpha-inducible protein (clone IFI-6-1f NM_002038.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2838 | interleukin 6 signal transducer (gp130, oncostatin NM_002184.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 2839 | vesicle-associated soluble NSF attachment prote NP_006361.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |

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|------|--|-------------|---|-------|---|-------|---|-------|---|-------|---|
| 2840 | mitogen-activated protein kinase 7 (MAPK7) | NM_002749.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2841 | phosphoenolpyruvate carboxykinase (PCK1) (clt L05144 | | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 2842 | serine/threonine protein phosphatase catalytic s1 | NM_016294.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2843 | serine-arginine-rich splicing regulatory protein SI | AAF37578.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 2844 | tyrosine kinase (HTK) | U07695 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2845 | cAMP-specific phosphodiesterase 4D (PDE4DN: | AJ250854.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2846 | RAB23 protein (LOC51715)(HSPC137) | NM_016277.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 2847 | Rab3D (rab3d) | AF263366.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2848 | alpha-amidating monooxygenase | AF010472 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 2849 | granulin (GRN) | NM_002087.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2850 | monocyte chemoattractant protein 4 | X98306 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 2851 | uncharacterized hematopoietic stem/progenitor c | NP_060936.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2852 | ADP-ribosyltransferase (NAD ; poly (ADP-ribose gi | 5915659 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 2853 | calgizzarin (=D49355 S100C protein; X80201 MI | D38583 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2854 | ABC transporter umat (ABCB6 gene)(= MT-ABC AJ | 289233.2 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2855 | heme-regulated eukaryotic initiation factor 2 alpt | AF255050.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2856 | potassium inwardly-rectifying channel, subfamily | NP_002236.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2857 | PAK-interacting exchange factor beta (P85SPR) | NM_003899.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 2858 | Heterochromatin protein 1 gamma | AB030905.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 2859 | histone deacetylase 6 (KIAA0901) | NM_006044.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2860 | histone stem-loop binding protein (SLBP) | U75679 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2861 | RecQ protein-like (DNA helicase Q1-like) (RECC | NM_002907.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 2862 | CYCLIN A/CDK2-ASSOCIATED PROTEIN P19 | spP34991 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 2863 | polymerase (RNA) II (DNA directed) polypeptide | NP_000929.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2864 | 10kD protein (BC10) | AF053470 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2865 | 14-3-3 sigma protein promoter and gene, comple | AF029081.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2866 | 19.5 protein | M32486 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 2867 | 1-aminocyclopropane-1-carboxylate synthase | A35516 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2868 | 23 kD highly basic protein | X56932 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2869 | 2-hydroxyacid dehydrogenase | AF113251.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2870 | 2-hydroxyphytanoyl-CoA lyase (RefSeq aa 7e-6; NP | _036392.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2871 | 3-7 gene product | D64159 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 2872 | 3pv2 and 5p152 genes | spP39194 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2873 | 40 kDa product (=M19503 ORF1; putative) | AAB59367.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 2874 | 54TmP (54tm) (=S83365 RAB5-interaction protei | AF004876 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2875 | 55 kDa protein | AF155658.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 2876 | 7h3 protein | AF209931 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2877 | 88.8 kDa protein | AF225417.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2878 | 959 kb contig between AML1 and CBR1 on chro | AJ229043.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2879 | ABL (M8604 Met) gene | U07561.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 2880 | acetyl LDL receptor, SREC=scavenger receptor | NM_003693.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2881 | acetylserotonin N-methyltransferase-like (ASMTI | gi4757793 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2882 | acid phosphatase type 5 | X14618 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2883 | Acyl carrier protein, Mitochondrial (ACP) (non-ex | AC002400 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2884 | AD-012 protein (LOC55833) (=AB040924 KIAA1 | gi8923858 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2885 | AD-014 protein | AF150733.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2886 | ADMLX=putative adhesion molecule [human mF | S60088 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 2887 | adrenal gland protein AD-002 | AF110775.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 2888 | adrenal gland protein AD-004 (RefSeq aa 2e-91) | NP_057367.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2889 | ANC_2H01 (ORF) | AF003924_1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 2890 | ancient ubiquitous protein 1(AUP1), mRNA | NM_012103.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2891 | androgen-regulated short-chain dehydrogenase/ | AF167438.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2892 | antigen NY-CO-25(NY-CO-25) (=KIAA0201) | AF039695.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2893 | antigen NY-CO-41 (NY-CO-41)(= clone DKFZp5 | AF039701.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2894 | antigen NY-CO-9 (NY-CO-9) (=AB011172 hypotl | AF039691 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2895 | antigenic determinant of recA protein (mouse) ht | BC017309.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2896 | anti-oncogene | M98056.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2897 | APMCF1 (APMCF1) | AF141882.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |

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|------|---|-------------|---|-------|---|-------|---|-------|---|-------|---|
| 2898 | arsenate resistance protein ARS2 arsenite-resis | NP_056992.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2899 | arsenite translocating ATPase (ASNA1) (=U602:AF047469 | | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2900 | atypical PKC specific binding protein | AB005549 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2901 | autonomously replicating sequence (ARS) | L08437.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 2902 | autosomal dominant polycystic kidney disease h | AF054992.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 2903 | AV723190 HTB cDNA clone HTBAXA03 5' | AV723190.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2904 | B.subtilis YQJC protein (TR:G1303954) | CAA98118.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2905 | B12 protein | M80783.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 2906 | B17 | AF232674.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 2907 | B6D2F1(clone 2C11B) | U01139 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2908 | Bak protein | U23765 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2909 | BANP homolog (FLJ20538) | NM_017869.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2910 | BCL7B protein | X89985 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2911 | BCNT | AB009270 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2912 | beta-ureidopropionase | NM_016327.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2913 | blood-stage membrane protein Ag-1 [Plasmodium | AF103869 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2914 | BNIP3H (BNIP3H) nuclear gene for mitochondria | AF255051.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2915 | Br140 | M91585 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 2916 | brain 4.1(L) protein (=AB002336 Human KIAA03 | AB019257.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 2917 | breast adenocarcinoma marker (32kD) (BC-2) | NM_014453.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2918 | BRI3 | AF272043.1 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2919 | brother of CDO (BOC) | AY027658.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2920 | C13F10.4 gene product [Caenorhabditis elegans | U97006 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 2921 | C1D protein (nuclear DNA-binding protein) | X95592 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 2922 | C367G8.1 (melanoma antigen P15) (LOC12410 | XM_058771.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2923 | C43H8.1 gene product | AF098499 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 2924 | C44E4.5 gene product | AF003140 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 2925 | C6f mRNA, partial 3'UTR | U72516.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2926 | calmodulin-like, processed pseudogene (302 bp | M73792.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2927 | candidate tumor suppressor protein DICE1 | AF097645.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 2928 | CDM (=ref NM_005745.2 accessory proteins B | Z31696.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 2929 | cell-line RPMI 8226 chloride ion current inducer | AF232225 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 2930 | CGI-111 protein (LOC51015) | NM_016048.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2931 | CGI-113 protein | AF151871.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 2932 | CGI-126 protein | AF151884.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 2933 | chorionic gonadotropin beta subunit | K03189 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2934 | choroideremia (ORF) | X78121 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 2935 | Churchill protein | AAG09759.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2936 | citb_173_i_12 | AC005887.3 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2937 | citb_179_n_3 | AC005210.3 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 2938 | citb_43_a_11, complete sequence | AC005880.3 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2939 | citb_79_e_16, complete sequence | AC005881.3 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2940 | clock (mouse) homologue (CLOCK) (=AB00233 | gi4758009 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 2941 | cn04g01.y1 Normal Human Trabecular Bone Ce | AI750662.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2942 | CocoaCrisp (LOC83690), mRNA /cds=(85,1587) Hs. | 182364 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 2943 | COP9 subunit 6 (MOV34 homolog, 34 kD)(RefS | NP_006824.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2944 | COX4AL | AF005888 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2945 | cp1508.seq.F Human fetal heart, Lambda ZAP E | AA248069 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 2946 | CpG island DNA genomic MseI fragment, clone | Z61961.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2947 | CpG island DNA genomic MseI fragment, clone | Z62622.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2948 | CSR2 | AB007830.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2949 | CTD-2314M3 | AC026273.7 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2950 | CTP synthase (CTPS) | NM_001905.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2951 | CUB and Sushi multiple domains 1 (CSMD1), m | Hs.123468 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 2952 | CX3C chemokine precursor | U84487 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2953 | cystinosin | AJ222967 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2954 | cytokine SDF-1-beta (=L36033) | U16752 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2955 | cytokine-like factor-1 precursor (CLF-1) | AF059293 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |

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|--|-------------|---|-------|---|-------|---|-------|---|-------|---|
| 2956 D15F37 pseudogene, S4 allele | AF041081.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2957 D54 isoform (hD54) | AF004429.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2958 DAN gene | D89013 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2959 dbpB-like protein | L28809.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2960 DC11 protein (RefSeq aa 3e-63) | NP_064571.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2961 DC6 protein (RefSeq aa 2e-52) | NP_064574.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2962 D-dopachrome tautomerase (=U49785; Y11151) | AF058293 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2963 DEAD (aspartate-glutamate-alanine-aspartate) b | NM_007841.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 2964 differentiation-related gene 1 (nickel-specific ind | NM_006096.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 2965 dJ1158H2.1 (novel protein similar to D. melanog | CAC05315.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2966 dJ28H20.2 (novel protein) | CAC00561.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2967 dJ671D7.1 (similar to D. melanogaster CG5986 | CAC04152.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2968 dJ756N5.2 (A novel protein (DKFZp727M231) sl | CAC14946.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2969 dJ93K22.1 (novel protein (contains DKFZP564B | AL050333 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 2970 Dlg1 homologue | U93309 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 2971 DMBT1 candidate tumour suppressor gene, exoi | AJ243211.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 2972 DMR-N9 myotonic dystrophy kinase (DM kinase | L08835.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2973 DNA containing putative Ac-like transposon | Y17156 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2974 DNA for tob family, complete cds | D78382.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 2975 Down syndrome critical region gene 1-like 1 | NM_005822.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2976 down-regulator of transCRiption 1, TBP-binding | NM_001938.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 2977 DROME TWISTED GASTRULATION PROTEIN | spP54356 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 2978 DSCR5a | AB037162.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2979 dUTP pyrophosphatase (DUT) | NM_001948.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2980 DVS27-related protein | BAA75892.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2981 DXS8237E (=D50912 hypothetical protein (KIAA | U35373 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2982 dye | U77595 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2983 E46 protein | AF119662.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2984 early B-cell transcription factor (EBF) | AF208502.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2985 early development regulator 2 (homolog of polyh | NM_004427.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2986 EB1 | U24166 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2987 EF1a-like protein | AF267861.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2988 endogenous retrovirus H HERV-H/env62 provira | AJ289709.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2989 endogenous retrovirus HERV-K102 | AF164610.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 2990 endogenous retrovirus type C oncovirus sequen | M74509 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2991 envelope protein | AF164615 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 2992 EPC-1 (=M76979 PEDF;U29953;M90493) | U57446 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2993 ER1 (=AB033019 KIAA1193) (67% aa) | AF015454 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 2994 erbb2-interacting protein ERBIN | NM_018695.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2995 ERp28 protein | X94910 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2996 esophageal cancer related gene 4 protein (ECR | Hs.43125 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 2997 ETAA16 protein (RefSeq aa 1e-75) | NP_061875.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 2998 EXOSTOSIN-1 (PUTATIVE TUMOR SUPPRES | spQ16394 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 2999 F1D9.26-unknown protein [Arabidopsis thaliana | BAA97098.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 3000 faciogenital dysplasia (Aarskog-Scott syndrome) | NM_004463.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3001 f-box and leucine-rich repeat protein 11 (FBXL1 | XM_040025.2 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3002 f-box and leucine-rich repeat protein 3A (FBXL3 | NM_012158.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3003 FEZ2 protein (FEZ2) | AF113124.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3004 fgr proto-oncogene encoded p55-c-fgr protein | M19722.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 3005 FH1/FH2 domain-containing protein FHOS (FHC | AF113615.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3006 FLAME-1 | AAB70909.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3007 fosB | X14897 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3008 FT005 protein (FT005) | NM_014054.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3009 fused in glioblastoma mRNA, complete cds /cds | Hs.23120 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 3010 FXD domain-containing ion transport regulator | NM_022003.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3011 G antigen 1 | XP_010196.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3012 G9011 gene product | AAF52302.2 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3013 ganglioside-induced differentiation associated pr | Y17852 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |

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|------|--|-------------|---|-------|---|-------|---|-------|---|-------|---|
| 3014 | GASC-1 | AB037901.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3015 | gcp372 | BAA05025.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3016 | GEC-1 (gec-1) | AF012920 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 3017 | GEF-2 | AB003515 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3018 | GEG-154 mRNA | X71642 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 3019 | gene 33 polypeptide | M23572.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 3020 | gene encoding HLA-Cw6 | Z22754.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3021 | gene_id:F1D9.26-unknown protein | AP002460 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3022 | GILZ, complete cds /cds=(233,637) /gb=AB0254 | Hs.75450 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3023 | GK001 protein (GK001), | NM_020198.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3024 | GK003 (GK003) | AF226046.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3025 | GL002 protein (GL002) | NM_020193.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3026 | golgi antigen gcp372 | D25542.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3027 | GSTmu3 gene for a glutathione S-transferase M | X56838.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3028 | Gx protein | AF120103.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3029 | hamartin (TSC1) | AF013168 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3030 | haplotype D6 beta-globin (HBB) gene, replication | AF186620.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 3031 | hBKLf for basic kruppel like factor (LOC51274) | NM_016531.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3032 | HBV associated factor(XAP4) | NM_006462.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3033 | HC71C | AF177343.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3034 | hCDC10=CDC10 homolog | S72008 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3035 | hcgVIII protein | X92110 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3036 | HCMOGT-1 mRNA for sperm antigen, complete | Hs.15053 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3037 | HDCMB12P | AF067802.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3038 | HDCMC04P | AF067804.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3039 | HDCMC28P protein (HDCMC28P) | NM_016649.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3040 | HELG protein (HELG) | NM_018412.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3041 | hematopoietic stem/progenitor cells protein MDS | NM_018462.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3042 | HF.12 gene | X07290.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3043 | HGTD-P (HGTD-P) (=E2IG5) | AF201944.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3044 | HIS1 protein | AB021179 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3045 | hMSH6 | U73737 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3046 | homolog of yeast mutL (hPMS1) gene | U13695.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 3047 | hook1 protein (69% aa) | AF044923 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3048 | HOTTL protein mRNA, complete cds | AF078842.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3049 | HPBR1-4 | X67337 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3050 | hSLK (=D86959 hypothetical protein (KIAA0204) | AB002804 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3051 | HSPC006 | AF070662.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3052 | HSPC009 protein (HSPC009), mRNA | NM_014019.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3053 | HSPC028 | AF083246.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3054 | HSPC030 | AF085359.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3055 | HSPC031 mRNA,=CGI-37 protein (ORF) | AF085360 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3056 | HSPC038 protein (LOC51123) | NM_016096.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3057 | HSPC040 protein (RefSeq aa 1e-58) | NP_057182.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3058 | HSPC042 protein (contains Alu repeat) | AF125096.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 3059 | HSPC049 protein (HSPC049) | NM_014149.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3060 | HSPC055 protein (HSPC055) (=FLJ11007 fis) | NM_014153.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3061 | HSPC056 protein (HSPC056) | NM_014154.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3062 | HSPC059 protein (HSPC059) | NM_016536.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3063 | HSPC071 | AF161556.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3064 | HSPC092 | AF161355.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3065 | HSPC093 (aa 9e-13,65%) | AAF28916.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3066 | HSPC121 (=B-ind1 protein) | AAF29085.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3067 | HSPC125 | AF161474 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3068 | HSPC126 protein (RefSeq aa 4e-46) | NP_054885.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3069 | HSPC140 (=SUMO-1-activating enzyme E1 N st | AF161489.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3070 | HSPC141 protein (HSPC141)(= sex-regulated pr | XM_038043.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3071 | HSPC144 protein (RefSeq aa 1e-69) | NP_054893.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |

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|--|-------------|---|-------|---|-------|---|-------|---|-------|---|
| 3072 HSPC145 | AF161494.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3073 HSPC151 | AAF29115.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 3074 HSPC154 protein (HSPC154) | NM_014177.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 3075 HSPC155 | AF161504.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3076 HSPC160 protein (RefSeq aa 5e-77) | NP_054901.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3077 HSPC164 | XM_009549.4 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3078 HSPC173 mRNA, | AF161521.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3079 HSPC174 | AF161522.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3080 HSPC176 | AF161524.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3081 HSPC177 | BC016698.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3082 HSPC182 protein (HSPC182) | NM_014188.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3083 HSPC184 | AF151018.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3084 HSPC187 | AF151021.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3085 HSPC197 | AF151031.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3086 HSPC199 | AF151033.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3087 HSPC209 | AF151043.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3088 HSPC210 | AF151044 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 3089 HSPC212 | AF151046.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 3090 HSPC235 | AF151069.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3091 HSPC240 | AF151074.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3092 HSPC245 | AF151079.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3093 HSPC261 (=DKFZp564B0769.1) | AAF28939.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3094 HSPC273 (=KIAA1192) | AF161391.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3095 HSPC274 protein (RefSeq aa 1e-38) | NP_054864.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3096 HSPC299 | AF161417.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3097 HSPC301 | AF161419.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3098 HSPC306 | AF161424.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3099 HSPC311 | AF161429.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3100 HSPC331 (=SPF31) | AAF29009.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3101 HT002 protein (HT002) | NM_014066.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3102 HT015 protein (HT015) | AF223466.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3103 HU-K4 | U60644 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3104 human homolog of a mouse imprinted gene | AB006625 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3105 HUT11 protein mRNA, partial 3' UTR | AF263545.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3106 hydroxyacyl-Coenzyme A dehydrogenase/3-ketol | NM_000183.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3107 hypothalamus protein HBEX2 | XP_010123.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3108 hypothalamus protein HT001 (=AF225981 calcu | AF113539 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3109 hypothetical brain protein similar to X96994 BR | NM_019836.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3110 hypothetical gap protein | CAB63561.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3111 hypothetical gene (AK026938 (LOC91933)) | XM_041609.2 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3112 hypothetical gene (AL137319; NM_017586) (LO | XM_011838.3 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3113 hypothetical gene (BC009875; BC014023 (LOC | XM_055021.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3114 hypothetical gene (LOC87167) | XM_016787.2 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3115 hypothetical gene (LOC87240) | XM_015947.2 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3116 hypothetical gene (LOC96648) | XM_055006.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3117 hypothetical gene AK023725 (LOC92923) | XM_048072.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3118 hypothetical gene supported by AF055004 (LOC | XM_051593.3 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3119 hypothetical gene supported by AF132973; BC0 | XM_048487.3 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3120 hypothetical gene supported by AF267861; AK0 | XM_016170.4 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3121 hypothetical gene supported by AK027830; AL1 | XM_072050.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3122 hypothetical gene supported by AL096738; BC0 | XM_047202.2 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3123 hypothetical gene supported by AL137544 (LOC | XM_028218.2 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3124 hypothetical gene supported by BC008765 (LOC | XM_059474.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3125 hypothetical gene supported by BC009329 (LOC | XM_071761.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3126 hypothetical gene supported by BC009875; BC0 | XM_072528.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3127 hypothetical gene supported by D38441; AF141 | XM_002828.5 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3128 hypothetical gene supported by U60644 (LOC12 | XM_047409.2 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3129 hypothetical gene supported by XM_000590 (LC | XM_000590.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |

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|------|---|---|-------|---|-------|---|-------|---|-------|---|
| 3130 | hypothetical gene supported by XM_059059 (LC XM_059059.1) | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 3131 | hypothetical gene supported by Y10313; BC001:XM_011551.5 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3132 | hypothetical protein B34087 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3133 | hypothetical protein CAB43380.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3134 | hypothetical protein CAB55973.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3135 | hypothetical protein CAB70761.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3136 | hypothetical protein (aa 2e-27) NP_062551.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3137 | hypothetical protein (CL25084) XM_056548.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3138 | hypothetical protein (LOC51060), mRNA XM_045762.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3139 | hypothetical protein (LOC51255), mRNA /cds=(C Hs.11156 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3140 | hypothetical protein (LOC51315) NM_016618.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3141 | hypothetical protein (MGC4175) XM_016063.2 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3142 | hypothetical protein (MGC4415) XM_050738.2 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3143 | Hypothetical protein (non-exact 37-54% a.a.) NP_061952.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3144 | hypothetical protein (ORF)(48%) AL050011 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 3145 | hypothetical protein (RefSeq aa 2e-38) NP_056198.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3146 | hypothetical protein (RefSeq aa 2e-60) NP_057280.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3147 | hypothetical protein (RefSeq aa 3e-61) NP_056999.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3148 | hypothetical protein (RefSeq aa 5e-50) NP_057169.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3149 | hypothetical protein (RefSeq aa 5e-63) NP_056158.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3150 | hypothetical protein (RefSeq aa 9e-33) NP_057711.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3151 | hypothetical protein (RefSeq aa 9e-43) NP_057701.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3152 | hypothetical protein (XP_029545) XP_029545.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3153 | hypothetical protein ASH1 (RefSeq aa 2e-68) NP_060959.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3154 | hypothetical protein clone 24952 mRNA AF131758 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 3155 | hypothetical protein HDCMC04P XP_004843.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3156 | hypothetical protein IMAGE3455200 (IMAGE345 NM_024006.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3157 | hypothetical protein MGC10753 (MGC10753), m NM_016628.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3158 | hypothetical protein MGC10947 (MGC10947), m Hs.326740 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3159 | hypothetical protein MGC14433 (MGC14433), m Hs.83572 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 3160 | hypothetical protein MGC14833 (MGC14833) XM_042640.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3161 | hypothetical protein MGC2217 (MGC2217), mRI Hs.323164 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3162 | hypothetical protein MGC2744, clone MGC:4371BC019324.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3163 | hypothetical protein MGC2827 (MGC2827), mRI Hs.8035 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3164 | hypothetical protein MGC3178 (MGC3178) XM_037853.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3165 | hypothetical protein MGC3200 (MGC3200) XM_034630.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3166 | hypothetical protein MGC3251 (MGC3251), mRI Hs.13467 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3167 | hypothetical protein MGC4174 (MGC4174) XM_018439.2 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3168 | hypothetical protein MGC5306 (MGC5306), mRI XM_048376.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3169 | hypothetical protein similar to mouse Dnaj1 (DN Hs.13015 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 3170 | HYPOTHETICAL PROTEIN ZAP3 P49750 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3171 | hypothetical protein, clone MGC:19514 IMAGE:BC011720.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3172 | hypothetical protein, clone MGC:20386 IMAGE:BC015919.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3173 | hypothetical protein, expressed in osteoblast (G: NM_006820.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3174 | I factor (complement) (IF), mRNA /cds=(14,1765 Hs.36602 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 3175 | ID YG39-2B AJ227863.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3176 | IFI16b (IFI16b) AF208043.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3177 | IkB kinase-b(IKK-beta) mRNA, complete cds AF080158.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3178 | ILO-CT0080-030899-107-c07 CT0080 AWO62569.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3179 | I-mfa domain-containing protein (HIC), mRNA XM_041273.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3180 | implantation-associated protein (IAG2) (ORF) AF008554 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 3181 | INE2 Y10697.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3182 | infant brain mRNA, clone 13cDNA65 U57962.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3183 | ING1Lp AB012853.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3184 | inner mitochondrial membrane translocase Tim1 AF034790 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3185 | insulin induced gene 1 (INSIG1) NM_005542.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3186 | integrative vector pRS306 with URA3 marker, cc U03438.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3187 | interferon-induced, hepatitis C-associated microt NM_006417.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |

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|------|--|---|-------|---|-------|---|-------|---|-------|---|
| 3188 | intracisternal A particle-promoted polypeptide (IF NM_005897.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3189 | IRA1 mRNA, complete cds, alternatively spliced Hs.315111 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3190 | Isoform 1 from chromosome 22 AL359401.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3191 | isoform 2 of a novel human mRNA from chromo: AL160112.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3192 | ITBA2 protein(ORF) X92896.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3193 | J domain containing protein 1 isoform a AAD52650.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 3194 | JAZF1 (JJAZ1) XM_050093.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3195 | jerky (mouse) homolog-like (JRKL) NM_003772.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3196 | kappa B-ras AF229839.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3197 | KFZp586B1821 AL133114.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3198 | KH domain RNA binding protein QKI-5B AF090403.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3199 | KIAA0008 D13633 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3200 | KIAA0013 D87717.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3201 | KIAA0020 gene product (KIAA0020) NM_014878.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3202 | KIAA0029 D21852 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3203 | KIAA0033 D26067.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 3204 | KIAA0035 gene D21262.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3205 | KIAA0051 gene D29640.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3206 | KIAA0052 protein, partial cds D29641.2 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3207 | KIAA0063 gene product (KIAA0063) NM_014876.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3208 | KIAA0078 gene D38551.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3209 | KIAA0088 gene, partial cds D42041.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3210 | KIAA0089 gene D42047.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3211 | KIAA0091 gene D42053.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3212 | KIAA0096 D43636 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3213 | KIAA0098 (chaperonin containing TCP-1) D43950 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 3214 | KIAA0101 D14657 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3215 | KIAA0108 (golgi 4-transmembrane spanning trans D14696 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3216 | KIAA0109 gene D63475.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3217 | KIAA0110 D14811 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3218 | KIAA0123 protein (KIAA0123) XM_054752.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3219 | KIAA0150 D63484 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3220 | KIAA0154 D63876 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3221 | KIAA0157 gene, partial D63877.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3222 | KIAA0171 gene product (KIAA0171) NM_014666.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3223 | KIAA0184 D80006 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 3224 | KIAA0190 gene D80012.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3225 | KIAA0193 gene product (KIAA0193) NM_014766.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3226 | KIAA0197 gene D83781 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3227 | KIAA0200 gene NM_014757.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3228 | KIAA0220 D86974.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3229 | KIAA0224 NM_014003.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3230 | KIAA0240 D87077 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 3231 | KIAA0247 gene product (KIAA0247), mRNA /cd: Hs.82426 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3232 | KIAA0257 gene, partial cds D87446.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3233 | KIAA0259 D87448.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3234 | KIAA0263 protein D87452.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3235 | KIAA0268 gene D87742.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3236 | KIAA0271 gene D87461 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3237 | KIAA0280 gene, partial cds /cds=UNKNOWN /gi Hs.75400 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3238 | KIAA0281 gene product NM_014800.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3239 | KIAA0286 gene AB006624.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3240 | KIAA0290 (non-exact match 80% a.a.) BAA22959.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3241 | KIAA0294 NM_014629.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 3242 | KIAA0297 gene AB002295.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3243 | KIAA0301 gene AB002299.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3244 | KIAA0305 gene product (RefSeq aa 2e-32) NP_055548.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3245 | KIAA0323 gene AB002321.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |

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|---|-------------|---|-------|---|-------|---|-------|---|-------|---|
| 3246 KIAA0337 | AB002335 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3247 KIAA0361 | AB002359 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3248 KIAA0365 | AB002363 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3249 KIAA0367 | AB002365.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3250 KIAA0373 | AB002371.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 3251 KIAA0391 gene product (RefSeq aa 2a-31) | NP_055487.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3252 KIAA0393 | AB002391.2 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3253 KIAA0395 | AB007855.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3254 KIAA0397 gene product (KIAA0397) | XM_029438.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3255 KIAA0399 | AB007859.2 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3256 KIAA0402 | AB007862 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3257 KIAA0405 | AB007865 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3258 KIAA0407 | AB007867.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3259 KIAA0409 | AB007869.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3260 KIAA0416 | AB007876 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3261 KIAA0418 gene | NM_014631.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3262 KIAA0430 | AB007890 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 3263 KIAA0437 | AB007897 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3264 KIAA0441 | AB007901 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3265 KIAA0442 | AB007902.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3266 KIAA0445 | AB007914 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3267 KIAA0469 | AB007938 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 3268 KIAA0473 gene product | NM_014787.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 3269 KIAA0487 chromosome 1 specific transCRipt) | AB007956 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3270 KIAA0494 | NM_014774.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3271 KIAA0511 protein | AB011083 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3272 KIAA0516 | BAA25442.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 3273 KIAA0517 protein | AB011089.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3274 KIAA0518 (=mouse Mad5) | AB011090.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3275 KIAA0524 | AB011096 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3276 KIAA0528 | AB011100.2 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3277 KIAA0529 | AB011101 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3278 KIAA0532 | AB011104.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3279 KIAA0536 | AB011108 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3280 KIAA0538 protein, partial cds | AB011110.2 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3281 KIAA0549 protein | AB011121 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3282 KIAA0554 (=DKFZp564O1116) | AB011126 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 3283 KIAA0565 | AB011137 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 3284 KIAA0584 | AB011156.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3285 KIAA0593 | AB011165 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3286 KIAA0601 | AB011173.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3287 KIAA0608 | AB011180 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3288 KIAA0614 | AB014514 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 3289 KIAA0615 | AB014515 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3290 KIAA0621 | NM_015071.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 3291 KIAA0625 | AB014525.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3292 KIAA0627 protein | AB014527.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3293 KIAA0628 | AB014528 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3294 KIAA0643 | AB014543 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 3295 KIAA0644 | AB014544 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3296 KIAA0647 protein | AB014547.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3297 KIAA0649 (=L11910 retinoblastoma susceptibilit | AB014549 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3298 KIAA0650 | AB014550.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3299 KIAA0652 | AB014552 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3300 KIAA0657 protein | AB014557.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3301 KIAA0658 | AB014558 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3302 KIAA0668 protein | AB014568.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3303 KIAA0669 | AB014569 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |

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|--|-------------|---|-------|---|-------|---|-------|---|-------|---|
| 3304 KIAA0677 gene product (KIAA0677) | NM_014663.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 3305 KIAA0678 | AB014578 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3306 KIAA0690 protein | AB014590.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3307 KIAA0700 protein (KIAA0700) | XM_050561.2 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3308 KIAA0707 protein, partial cds /cds=UNKNOWN /Hs.234786 | | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 3309 KIAA0714 | AB018257.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 3310 KIAA0721 | AB018264.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 3311 KIAA0726 | NM_014718.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3312 KIAA0733 | AB018276.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3313 KIAA0737 | AB018280 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3314 KIAA0742 | AB018285.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3315 KIAA0752 protein (KIAA0752) | XM_040324.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3316 KIAA0758 protein | AB018301 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 3317 KIAA0764 | NM_014860.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3318 KIAA0774 | AB018317.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3319 KIAA0781 | AB018324.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 3320 KIAA0784 | AB018327.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3321 KIAA0788 | AB018331.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3322 KIAA0790 protein | AB018333.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3323 KIAA0795 protein (KIAA0795), mRNA | XM_016166.3 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3324 KIAA0798 gene product (KIAA0798) | NM_014650.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3325 KIAA0801 gene product (RefSeq aa 3e-73) | NP_055644.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3326 KIAA0823 protein, partial cds | AB020630.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3327 KIAA0826 | AB020633 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3328 KIAA0831 | AB020638.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3329 KIAA0836 protein | AB020643.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3330 KIAA0840 protein | AB020647.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3331 KIAA0856 | AB020663.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3332 KIAA0857 protein (=DKFZp434H018) | AB020664.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3333 KIAA0859 | AB020666.2 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3334 KIAA0860 | AB020667 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3335 KIAA0866 protein | AB020673.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3336 KIAA0867 | NM_014938.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 3337 KIAA0874 | AB020681.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3338 KIAA0878 (contains Alu repeat) | AB020685.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3339 KIAA0879 protein (KIAA0879) | NM_014936.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3340 KIAA0883 | AB020690 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3341 KIAA0887 protein, | AB020694.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3342 KIAA0890 protein (KIAA0890) | NM_014966.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3343 KIAA0892 | AB020699.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3344 KIAA0898 | AB020705.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 3345 KIAA0908 protein | AB020715.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3346 KIAA0912 | AB020719.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3347 KIAA0922 | AB023139.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3348 KIAA0923 | AB023140.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3349 KIAA0926 protein (KIAA0926), | NM_014922.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 3350 KIAA0937 | AB023154.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3351 KIAA0940 protein (RefSeq aa 3e-75) | NP_055727.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3352 KIAA0941 | AB023158.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3353 KIAA0946 | AB023163.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3354 KIAA0949 | AB023166.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3355 KIAA0951 protein (KIAA0951), | NM_014893.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3356 KIAA0957 protein (RefSeq aa 1e-33) | NP_055757.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3357 KIAA0961 protein | NM_014898.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3358 KIAA0962(=DKFZp564D022) | AB023179.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3359 KIAA0974 | AB023191 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3360 KIAA0979 protein | BAA76823.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3361 KIAA0980 | AB023197 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |

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| 3362 KIAA0981 | AB023198.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3363 KIAA0996 | NM_014934.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3364 KIAA1007 protein (KIAA1007) | NM_016284.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3365 KIAA1018 | AB023235.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 3366 KIAA1023 | AB028946 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3367 KIAA1028 | AB028951.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3368 KIAA1031 | AB028954.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3369 KIAA1041 | NM_014947.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3370 KIAA1042 | AB028965.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3371 KIAA1044 | AB028967.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3372 KIAA1046 protein (KIAA1046) | NM_014928.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3373 KIAA1049 | AB028972.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3374 KIAA1050 | AB028973.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 3375 KIAA1055 | AB028978.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3376 KIAA1057 | AB028980.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3377 KIAA1067 | AB028990.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3378 KIAA1071 | AB028994.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 3379 KIAA1075 protein | AB028998.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3380 KIAA1078 protein, | AB029001.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3381 KIAA1085 | AB029008.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3382 KIAA1093 | AB029016.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 3383 KIAA1095 protein, partial cds | AB029018.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3384 KIAA1097 | AB029020.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3385 KIAA1098 protein | AB029021.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3386 KIAA1099 protein (KIAA1099) | NM_014914.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3387 KIAA1109 | AB029032.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 3388 KIAA1110 protein | AB029033.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3389 KIAA1114 protein (KIAA1114) | NM_016157.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3390 KIAA1116 protein (KIAA1116) | NM_014892.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3391 KIAA1119 protein | AB032945.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3392 KIAA1122 | AB032948 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3393 KIAA1124 | AK000716.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3394 KIAA1143 protein | AB032969.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3395 KIAA1146 | AB032972.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3396 KIAA1147 protein | AB032973.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 3397 KIAA1151 | AB032977.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 3398 KIAA1156 | AB032982.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3399 KIAA1164 protein, partial cds | AB032990.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3400 KIAA1165 | AB032991.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3401 KIAA1178 | AB033004.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3402 KIAA1179 | AB033005.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3403 KIAA1180 | AB033006.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3404 KIAA1187 protein | AB033013.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3405 KIAA1197 protein, partial cds | AB033023.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3406 KIAA1213 (low match) | AB033039 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 3407 KIAA1214 | BAA86528.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 3408 KIAA1218 | AB033044.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 3409 KIAA1224 | AB033050.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3410 KIAA1229 | AB033055.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3411 KIAA1233 protein | AB033059.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3412 KIAA1235 | AB033061.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3413 KIAA1242 | AB033068.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3414 KIAA1243 protein, partial cds /cds=UNKNOWN / Hs.151076 | | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3415 KIAA1255 (ANKHZN) | AB033081 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3416 KIAA1274 | AB033100.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3417 KIAA1279 protein | AB033105.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3418 KIAA1283 | AB033109.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3419 KIAA1294 | AB037715.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |

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| 3420 KIAA1306 | AB037727.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3421 KIAA1308 | AB037729 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3422 KIAA1320 | AB037741.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3423 KIAA1323 | AB037744.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 3424 KIAA1327 | AB037748.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3425 KIAA1328 protein | AB037749.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3426 KIAA1332 | AB037753.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3427 KIAA1333 | AB037754.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3428 KIAA1335 | AB037756.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3429 KIAA1343 | AB037764.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3430 KIAA1344 | AB037765.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3431 KIAA1352 | AB037773.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3432 KIAA1353 protein (KIAA1353) | XM_035589.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3433 KIAA1360 | AB037781.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3434 KIAA1365 | AB037786.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3435 KIAA1367 | AB037788.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3436 KIAA1373 | AB037794.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 3437 KIAA1375 (PDCD6IP) | AB037796 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3438 KIAA1390 protein | AB037811.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3439 KIAA1400 protein | AB037821.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3440 KIAA1403 | AB037824 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3441 KIAA1408 protein | AB037829.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3442 KIAA1412 protein | AB037833.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3443 KIAA1415 protein | AB037836.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3444 KIAA1417 | AB037838.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3445 KIAA1419 protein | AB037840.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3446 KIAA1421 protein | AB037842.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3447 KIAA1430 | AB037851.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3448 KIAA1432 | AB037853.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3449 KIAA1434 protein | AB037855.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3450 KIAA1435 | AB037856.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3451 KIAA1440 protein | AB037861.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3452 KIAA1454 protein | AB040887.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 3453 KIAA1460 | AB040893.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3454 KIAA1461 (ORF) | AB040894 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3455 KIAA1462 | AB040895.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3456 KIAA1463 | AB040896.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3457 KIAA1472 | AB040905.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3458 KIAA1476 protein (=NM_013450.1 BAZ2B) | AB040909.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3459 KIAA1478 | AB040911.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3460 KIAA1483 protein (KIAA1483) | XM_045920.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3461 KIAA1495 protein | AB040928.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3462 KIAA1497 | AB040930.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3463 KIAA1521 | AB040954 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3464 KIAA1528 protein (KIAA1528) | XM_055933.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3465 KIAA1533 protein | AB040966.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3466 KIAA1537 | AB040970.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3467 KIAA1538 protein | AB040971.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3468 KIAA1558 | AB046778 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3469 KIAA1562 protein | AB046782.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3470 KIAA1565 protein, partial cds | AB046785.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3471 KIAA1571 | AB046791.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3472 KIAA1572 protein, partial cds /cds=UNKNOWN /Hs.5638 | | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3473 KIAA1573 | AB046793 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3474 KIAA1578 protein | AB046798.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3475 KIAA1590, low match | AB046810 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3476 KIAA1597 | AB046817.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3477 KIAA1600 protein, | AB046820.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |

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| 3478 KIAA1604 protein | AB046824 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3479 KIAA1624 protein, partial cds | AB046844.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3480 KIAA1641 | AB046861.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3481 KIAA1655 | AK000711.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3482 KIAA1790 protein, partial cds /cds=UNKNOWN ; Hs.57760 | | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3483 KIAA1863 protein (KIAA1863) | XM_036104.2 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3484 KIAA1870 protein (KIAA1870) | XM_027025.2 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3485 kaa-iso protein | AAF17242.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3486 KIP gene | AB021866.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3487 KNP-1a (=U53007 GT335) | D86061 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3488 Ksp37 protein (KSP37), mRNA | NM_031950.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3489 Ku70-binding protein (low match) | AF078528 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 3490 Kunitz-type protease inhibitor (kop) | AF027205 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 3491 L1 repeat, Tf subfamily, member 18 | NP_038602.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3492 L1 repeat, Tf subfamily, member 26 | NP_038604.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3493 latexin protein (LXN), mRNA /cds=(151,819) /gb- Hs.109276 | | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3494 LCN1b gene | Y10826 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3495 LDC4 (=HSPC243) | AF247661.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3496 Leman coiled-coil protein (LCCP) (=AB023206.1 NM_016201.1 | | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 3497 LEYDIG CELL TUMOR 10 KD PROTEIN | spQ05310 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3498 ligase IV, DNA, ATP-dependent (LIG4) | NM_002312.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3499 LIMULUS CLOTTING FACTOR C PRECURSOR P28175 | | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 3500 lin-7-A | AF090133 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3501 line-1 protein ORF1 - (=M19503) ORF1; putative: A28096 | | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3502 loss of heterozygosity, 11, chromosomal region ; NM_014622.1 | | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3503 lost in inflammatory breast cancer tumor suppress AF143679.1 | | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 3504 LPS-induced TNF-alpha factor (PIG7) mRNA | NM_004862.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3505 m6A methyltransferase (MT-A70) gene | AF014837.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3506 m6b1 | AF016004.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3507 maCRophage inflammatory protein-2alpha (MIP; X53799 | | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3508 macrophage myristoylated alanine-rich C kinase XM_034535.1 | | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3509 match to AA908753 (NID:g3048158) | AAC83082.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3510 Mcl-1 (MCL-1) and Mcl-1 delta S/TM (MCL-1) ge AF198614.1 | | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3511 MDS024(MDS024) | AF182423.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3512 MEGF2 | AB011536 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3513 MEGF5 | AB011538.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3514 MEGF6 | AB011539 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3515 melanogaster TEP2 protein [Drosophila melanog AJ269539 | | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3516 Melanoma associated gene (D2S448) | XM_056455.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3517 melanoma-associated antigen p97 (melanotrans K03200 | | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3518 melastatin 1 (70% aa) | AF071787 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 3519 membrane protein type II, (low match) clone:HP AB015633 | | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 3520 meningioma expressed antigen 6(coiled-coil prol NP_005921.1 | | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3521 meningioma-expressed antigen 11 (MEA11) | U73682 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3522 meningioma-expressed antigen 6 (MEA6) | U94780 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3523 merosin | M59832 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 3524 mesenchymal stem cell protein DSC54 (LOC51; M_016644.1 | | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3525 metastasis associated 1 (MTA1) | NM_004689.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3526 miCRosatellite sequence INRA095 | X71569 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3527 miCRosatellite VNTR DNA | L07935 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 3528 MLN51 | X80199 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3529 MLN62 | X80200 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3530 Mm-1 cell derived transplantability-associated 1t NM_021105.1 | | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3531 MpV17 transgene, murine homolog, glomerulosc NM_002437.1 | | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3532 mRNA similar to rat myomegalin | AB042557.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3533 MSTP031 | AAG39282.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3534 MSTP033 protein (MSTP033) | XM_029351.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3535 MUF1 protein (MUF1) | NM_006369.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |

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|------|---|--------------|---|-------|---|-------|---|-------|---|-------|---|
| 3536 | mutS (E. coli) homolog 3 (RefSeq aa 1e-66) | NP_002430.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3537 | myelodysplasia/myeloid leukemia factor 1 (Mlf1) | AF100171 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3538 | NDUFV3 gene for mitochondrial NADH-Ubiquinone | AB038163.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3539 | neural polypyrimidine tract binding protein (PTB) | AF176085.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3540 | neurtin (LOC51299), mRNA /cds=(168,596) /gb= | Hs.103291 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3541 | NF2 gene | Y18000.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3542 | NG,NG-dimethylarginine dimethylaminohydrolase | AB001915 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3543 | NIBAN | AB050477.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3544 | NICE-3 protein (clone 3038j13) | AJ243665.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 3545 | nitrilase 1 (NIT1) | NM_005600.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3546 | NJAC protein (NJAC) | AF144103.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3547 | nm23-H7 (NME7) | AF153191.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3548 | Nmi | U32849.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3549 | N-myc and STAT interactor (RefSeq aa 4e-56) | NM_016508.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3550 | NORI-1 (ORF) | AB010427 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3551 | novel protein (HSNOV1) | XM_017365.2 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3552 | NPD001 | AF078853.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 3553 | N-ras | X02751 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3554 | nuclear body associated kinase 2b (Nbak2) (=A | AF170304.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 3555 | nucleobindin 2 (RefSeq aa 9e-90) | NP_005004.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3556 | nucleolar protein (KKE/D repeat) (NOP56) =Y12 | NM_006392 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3557 | nucleolar protein ANKT(ANKT), mRNA | NM_016359.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3558 | nucleolar protein family A, member 3 (H/ACA | srr Hs.14317 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3559 | nucleotide-binding protein | U01833 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3560 | NUMB | AF171941.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3561 | NY-REN-49 antigen | AF155111.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 3562 | NY-REN-57 antigen | AF155114.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3563 | NY-REN-6 antigen (ORF) | AF155096 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3564 | OBP1a gene | AJ251029.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 3565 | okadaic acid-inducible phosphoprotein (OA48-1 | AF069250 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3566 | Opa-interacting protein OIP5 | AF025441 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3567 | OPN-b (low match: aa 8e-06) | BAA05950.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 3568 | ORF1, encodes a 40 kDa product | AAB60344.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3569 | ORF2 (aa 4e-15,65%) | BAA25253.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3570 | ORF4 | CAA37647.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3571 | ORFII (X52235)(= LIN1_HUMAN LINE-1 REVEF | CAA36480.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3572 | ORFYGR054w | CAA97056.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 3573 | OTF3 gene | Z11900.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3574 | p150 (67% a.a.) | AAC51279.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3575 | P1-Cdc21 (=ALU8_HUMAN ALU SUBFAMILY S | X74794.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3576 | P1cdc47 (=hMCM2) (=p85Mcm) | D55716.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3577 | p21-activated protein kinase-like protein (non-ex | AAF82310.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 3578 | P3ECSL (LIECG3), mRNA | NM_022164.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3579 | PA4=candidate oncogene | S82075 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3580 | PAC 747L4 gene | AL035297.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3581 | PAC P336P3 (12q24) | gi 2961441 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3582 | PAI-1 gene, PAI-1-HindIII-2 allele | AF110527.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3583 | PAK2 mRNA, | AF092132 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3584 | PAN2 protein (PAN2) | NM_020905.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3585 | pancreas tumor-related protein (FKSG12) | AF311912.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3586 | parathyroid hormone-like protein (PLP) gene, exc | M24349.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 3587 | partial AF-4 gene | AJ238093.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3588 | partial LIMD1 gene for LIM domains | AJ312686.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3589 | partial unknown mRNA from drug-resistant mela | AJ270695.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3590 | PCCX2 mRNA for protein containing CXXC dom | AB031230.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3591 | PDCL2 | AAD30564.2 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3592 | peanut-like protein 1, PNUTL1 (hCDCRel-1) (=A | Y11593 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3593 | pendrin (PDS) | AF030880 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |

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|------|--|-------------|---|-------|---|-------|---|-------|---|-------|---|
| 3594 | PEP11 PROTEIN | spP38759 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3595 | PEP19 (PCP4) (=X93349;U53709) | U52969 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3596 | PER1 gene (=Rigui (RIGUI)) | AF102137.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3597 | pescadillo (PES1) | U78310 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3598 | Pig3 (PIG3) | AF010309 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3599 | pituitary tumor-transforming 1 interacting protein | NM_004339.2 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3600 | PIUS | U74297 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3601 | plasma glutamate carboxypeptidase (PGCP) | NM_006102.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3602 | platelet glycoprotein IIB precursor | AAA60115.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3603 | PMF16 | AB006881 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3604 | PMS1 PROTEIN HOMOLOG 1 (DNA MISMATCH REPAIR DEFECT 1) | spP54277 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 3605 | PM-Scl-75 autoantigen (PM-scl) (=M58460) | U09215 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3606 | polymorphic HindIII site DNA (THRB region) | X58041 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 3607 | polypyrimidine tract binding protein (heterogeneous nuclear RNP A1) | NM_002819.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3608 | PP1201 mRNA, | AF193045.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3609 | PP2703 | AF193051.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3610 | PR-domain containing protein 10 (PRDM10) | NM_020228.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3611 | PREGNANCY ZONE PROTEIN PRECURSOR (PZP) | spP20742 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3612 | PRKG1 gene | Z92885 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 3613 | PRO0066 | AF113007.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3614 | PRO0214 protein (PRO0214) | NM_014120.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3615 | PRO0245 protein (PRO0245) | NM_014122.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 3616 | PRO0412 mRNA (=KIAA0213 gene) (=mitogen-activated protein kinase 10) | AF116604.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3617 | PRO0461 protein (PRO0461) | NM_014072.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3618 | PRO0529 protein (PRO0529)= AF111848.1 | NM_014074.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3619 | PRO0786 (=putative tumor suppressor ST13 (S1AF116650.1 | AF116650.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3620 | PRO0989 (=CGI-54 protein) | AF116614.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3621 | PRO1155 (=RBBP6) | AF116625.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3622 | PRO1489 | AF116637.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3623 | PRO1546 (aa 1e-14,58%) | NP_061055.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3624 | PRO1722 | AAF69605.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 3625 | PRO1843 mRNA, (= initiation factor 4B) | AF119854.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3626 | PRO1996 protein (PRO1996) | NM_014108.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3627 | PRO2047 protein (PRO2047) (=PRO2003) | NM_014110.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3628 | PRO2061 | AF118092.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3629 | PRO2134 | AF118094.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3630 | PRO2207 | AF116692.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3631 | PRO2219 mRNA, complete cds /cds=(823, 1056) Hs.103657 | AF119868.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3632 | PRO2222 | AF119868.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3633 | PRO2239 | AF116696 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3634 | PRO2309 | AF119875.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3635 | PRO2646 (=RPS4Y) | AF116711.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3636 | selective LIM binding factor, rat homolog (SLB) | AAF69654.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 3637 | PRO2832 (PRO2832) | NM_018541.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3638 | PRO2975 (PRO2975) | NM_018548.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3639 | PRO3091 | AF119916.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3640 | PRO3098 | AF119917.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 3641 | Pro-Pol-dUTPase polyprotein | Y12713 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3642 | prostacyclin synthase | D83402 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3643 | prostaglandin-D synthase (RefSeq aa 3e-36) | NP_055300.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3644 | prostate carcinoma tumor antigen (pcta-1) (ORF L78132.1 | AF163475 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 3645 | prostate specific and androgen regulated cDNA | AF163475 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 3646 | prostatein c3 subunit | M71245 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3647 | protein | L76155 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3648 | protein (peptidyl-prolyl cis/trans isomerase) NIM | NM_006223.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3649 | protein B | AF146793.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3650 | protein inhibitor of activated STAT-1(RefSeq aa:NP_057250.1 | AF146793.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3651 | protein S-alpha (PROS1) (=Y00692) | M23599 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |

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|---|---------------|---|-------|---|-------|---|-------|---|-------|---|
| 3652 PSD-Zip45 | AB017140 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 3653 PTB domain adaptor protein CED-6 | AF200715.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3654 PTB-like protein | AJ010585.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 3655 PTD002 protein (PTD002) (=HSPC305) | NM_016144.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3656 PTD012 | AF092133.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 3657 PTD017 protein (PTD017) | NM_014046.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3658 PTH-responsive osteosarcoma B1 protein (B1) | AF095771.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3659 PTPL1-associated RhoGAP | U90920 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3660 PTS gene for 6-pyruvoyltetrahydropterin synthase | AB042297.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3661 putative (H. sapiens) (LOC134301) | XM_059705.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 3662 PUTATIVE C10 PROTEIN (LOC113246) | L XM_053988.2 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3663 Putative prostate cancer tumorsuppressor (RefS NP_006756.1) | | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3664 putative tumor suppressor ST13 (ST13) (=PRO0 U17714.1) | | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3665 QM [nontumorigenic Wilms' microcell hybrid cell: S64169.1] | | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3666 R3H domain (binds single-strandednucleic acids NP_056970.1) | | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3667 RAB14, member RAS oncogene family (RAB14) | XM_005342.4 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3668 RAB6C, member RAS oncogene family (RAB6C) | XM_038274.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3669 Rap2 interacting protein; similar to U73941 (PID: AAC82532.1) | | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 3670 rat activator of G-protein signaling 3 (AGS3) (like XM_054763.2) | | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3671 rat myomegalin | NP_071754.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3672 RB-binding protein (rbp2h1a gene) | AJ243706.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3673 RC1-ST0278-160200-014-f03 ST0278 cDNA | AW818395.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3674 RC3-BT0319-240200-015-e12 BT0319 | BE066091.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3675 receptin (CBF1 interacting corepressor (CIR) | U03644.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3676 Rer1 protein | AJ001421 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3677 RES4-22 gene with multiple splice variants near | NM_003704.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3678 reticulon 4c (=reticulon 4b)(= reticulon 4a) | AF087901.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3679 retinal short-chain dehydrogenase/reductase ret: | NM_016245.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3680 retina-specific 15.7 kDa protein | M34915 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3681 retinol-binding protein (RBP) | M10934 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 3682 RETINOL-BINDING PROTEIN II, CELLULAR (C P50121) | | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 3683 REV3 (yeast homolog)-like, catalyticsubunit of DNP_002903.1 | | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3684 RGP3 | U27655.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3685 RP42 homolog (RP42), mRNA /cds=(29,808) /gt Hs.104613 | | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3686 rpmJ, rplA, rplO, rpmD, rpsE, rplR, rplF, rpsH, rpl | AE000408 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 3687 rrlC, rrlC, aspT, trpT, yifA, pssR, yifE, yifB, ilvL, i | AE000453 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3688 SCL gene locus | AJ131016.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3689 seladin-1 (=KIAA0018) | AF261758.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3690 selective LIM binding factor, rat homolog (SLB) | XM_033196.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3691 serologically defined colon cancer antigen 10 (N NM_005869.1) | | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3692 SH3GLP1 pseudogene, 5' | X99658.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3693 Si-1-8-16 mRNA, partial cds | AB044752.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3694 SIK similar protein | AF053232 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3695 single-minded (Drosophila) homolog 2 (SIM2), tr | NM_005069.2 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3696 Sjogren's syndrome/scleroderma autoantigen 1 (NM_006396.1) | | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3697 Slit-2 protein | AB017168 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3698 Sm protein F (RefSeq aa 2e-41) | NP_009011.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3699 small cytoplasmic Y RNA (Y4) (=X57566 hy4 Ro L32608 | | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3700 small EDRK-rich factor 1, short isoform (SERF1) | AF073518.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3701 small fragment nuclease (DKFZP566E144) | NM_015523.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3702 SMART/HDAC1 associated repressor protein (S XM_057104.1) | | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3703 SOCS box-containing WD protein SWIP-1 (SWIF AF072880.1) | | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 3704 spastic ataxia of Charlevoix-Saguenay (sacsin) (NP_055178.1) | | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3705 speckle-type POZ protein (SPOP) | NM_003563.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3706 spm1 protein | Y15794.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3707 SRY (sex determining region Y)-box 13 (SOX13; NM_005686.1) | | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3708 SRY (sex determining regionY)-box 22 (SOX22) NM_006943.1 | | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3709 SRY-box containing gene 5 (Sox5) | NM_011444.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |

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|------|---|---|-------|---|-------|---|-------|---|-------|---|
| 3710 | SS-A/Ro ribonucleoprotein autoantigen 60 kd su M25077 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 3711 | SSR alpha subunit Z12830 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3712 | SSX4 protein gene AF196972.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3713 | stat-like protein (Fe65) L77864 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3714 | STS(STS SHGC-35393) G28601 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3715 | sudD (suppressor of bldD6, Aspergillus nidulans gi4507298 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3716 | suppressor of cytokine signalling-1 (SOCS-1) (=, U88326 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3717 | Syne-1B AAG24393.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3718 | synuclein, alpha (non A4 component of amyloid NM_007308.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 3719 | Tandem PH Domain Containing Protein-1 (TAPF NM_021622.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3720 | Tax interaction protein 2 AF028824.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3721 | TB1 M74089.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 3722 | TCP1 (t-complex-1) ring complex, polypeptide 5 NM_005998.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 3723 | tctex-1 E13405 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3724 | TESS 2 protein (TESS 2 gene) (=DKFZp586B20AJ250865.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3725 | testis specific ankyrin-like protein 1 (LOC51281) NM_016552.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3726 | tex292 X80433 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3727 | TFII-I protein(TFII-I) mRNA, (=general transcript AF015553.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3728 | tip associating protein (TAP) U80073 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3729 | TPA regulated locus; uncharacterized hypothala XM_054971.2 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3730 | TPRD D83077 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 3731 | transitional epithelia response protein (TERE1) NM_013319.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3732 | translocating chain-associating membrane prote XM_005185.3 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3733 | Treacher Collins-Franceschetti syndrome 1 (TC NM_000356.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3734 | TSA305 AB024763.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3735 | TSC2 mRNA for tuberlin X75621 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3736 | TYL gene X99688 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3737 | unknown mRNA /cds=(1758,2294) /gb=AF32161Hs.33032 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3738 | unknown protein 3'UTR Y09836.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3739 | unknown protein LOC51035 (H. sapiens) (LOC1.XM_058485.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3740 | unnamed protein product AK001715 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 3741 | unnamed protein product BAA91748.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3742 | unnamed protein product BAA91974.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3743 | unnamed protein product BAB14098.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3744 | unnamed protein product BAB14662.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3745 | unnamed protein product BAB14687.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3746 | unnamed protein product BAB14809.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3747 | unnamed protein product BAB15239.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3748 | unnamed protein product BAB15362.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3749 | unnamed protein product BAB15407.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3750 | unnamed protein product BAB15427.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3751 | unnamed protein product BAB15579.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3752 | unnamed protein product (=HSPC314) BAB14755.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3753 | unnamed protein product (aa 1e-15) BAB15433.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3754 | UPF3 (UPF3) AF318575.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3755 | up-regulated by BCG-CWS (=KIAA0062,=KIAA1 NP_071437.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3756 | vault-associated RNA 1, complete sequence AF045143.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3757 | vav 3 oncogene (VAV3) NM_006113.2 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3758 | v-maf musculoaponeurotic fibrosarcoma(avian) c NP_005351.2 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3759 | v-raf-1 murine leukemia viral oncogene homolog NM_002880.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3760 | WAS protein family, member 1 (WASF1) (=KIAA NM_003931.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 3761 | WD-repeat protein (HAN11) NM_005828.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3762 | Williams-Beuren syndrome chromosome region XM_051839.2 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3763 | Wilms' tumour 1-associating protein (KIAA0105), Hs.119 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3764 | Wiskott-Aldrich syndrome protein interacting pro Hs.24143 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3765 | XE7 L03426 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3766 | Xp22 bins 16-17 BAC GSHB-53117 (Genome SAC004805.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3767 | Xq pseudoautosomal region; segment 1/2 AJ271735.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |

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|------|---|-------------|---|-------|---|-------|---|-------|---|-------|---|
| 3768 | xs31 | Z36832 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3769 | yeast Sec31p homolog (RefSeq aa 5e-75) | NP_057295.1 | 0 | 0.00% | 2 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3770 | YGR163, yeast homologue | AB017616 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3771 | adrenodoxin gene, exon 4 | M23668.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3772 | annexin V-binding protein (ABP-10),(ORF) | D64062 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3773 | ATPase subunit 6 | BAA07295.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 3774 | ATPase, Ca sequestering (ATP2C1) (=KIAA134NM_014382.1 | | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3775 | ATPase, Class I, type 8B member 2 (ATP8B2) | XM_036933.2 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3776 | ATPase, H transporting, lysosomal (vacuolar pr | NM_004047.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3777 | ATPase, H transporting, lysosomal (vacuolar pr | NM_005177.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3778 | ATPase, H transporting, lysosomal (vacuolar pr | NM_001693.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3779 | ATPase, H transporting, lysosomal (vacuolar pr | NM_004888.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3780 | ATPase, Na/K transporting, alpha 2 () polypep | NM_000702.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3781 | ATPase, Na/K transporting, beta 1 polypeptide (NP_001668.1 | | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3782 | ATP-binding cassette 7 iron transporter (ABC7) | AF133659.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3783 | Ca2 -transporting ATPase, (ORF) | AJ010953 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 3784 | calsequestrin, cardiac | D55655 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3785 | copper chaperone for superoxide dismutase (CC AF002210 | | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3786 | F1-ATPase beta subunit (F-1 beta) (=X05606;M: X03559 | | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3787 | F1-F0-ATPase | M64751 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3788 | F1Fo-ATP synthase complex Fo membrane don | S70447 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3789 | monocarboxylate transporter 1 (SLC16A1) | L31801 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 3790 | non-erythroid band 3-like protein (HKB3) (=U265 X03918 | | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3791 | nonerythroid beta-spectrin | L02897 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 3792 | NRAMP2 gene for natural resistance-associated | AB015355.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3793 | S100 calcium-binding protein A11 (calgizzarin) (: NM_005620.1 | | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3794 | S100 calcium-binding protein A6 (calcyclin) (S1C XM_058243.1 | | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3795 | sodium bicarbonate cotransporter 2b (NBC2B)(= AF089726.1 | | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3796 | sodium bicarbonate cotransporter 3 (SLC4A7) | AF047033.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3797 | solute carrier family 26 | NM_000112.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3798 | solute carrier family 5(sodium-dependent vitamir | NM_021095.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3799 | solute carrier family 7 (cationic amino acid transp | gi4507052 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 3800 | vacuolar H ()-ATPase subunit=13.7 kda F-ATP | S82464.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3801 | vacuolar H -ATPase Mr 56,000 subunit (HO57) | L35249.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3802 | vacuolar H ATPase Mr 70000 subunit | X61612 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 3803 | vacuolar proton ATPase membrane sector asso | Y17975 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3804 | vacuolar sorting protein 35 | AF191298 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3805 | white gene protein (=AF038175) | X91249 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3806 | Glycosyl transferase, similar to (=AF031835 ppC | AL033514 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3807 | 1,4-alpha-glucan branching enzyme (HGBE) | L07956 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3808 | 3-phosphoinositide dependent protein kinase-1 (| NM_002613.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3809 | aldehyde dehydrogenase 1 | K03000.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3810 | aldo-keto reductase family 7, member A2 (allato | AF026947 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3811 | aldose reductase (EC 1.1.1.2) | X15414 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3812 | alpha-1,3(6)-mannosyl glycoprotein beta-1 (Ref | NP_002401.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3813 | alpha-aminoacidipic semialdehyde dehydrogenas | AF302110.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3814 | Alu co-repressor 1 (ACR1)(=AOEB166) | AF231705.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3815 | amylo-1,6-glucosidase,4-alpha-glucanotransfera | NM_000646.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3816 | beta-1,3-glucuronyltransferase 3 (glucuronosyltr | NM_012200.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3817 | beta-1,3-N-acetyl glucosaminyl transferase (BET | NM_006876.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3818 | beta-globin (HBB) gene haplotype C17, replicat | AF186616.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3819 | carbohydrate (keratan sulfate Gal-6) sulfotransf | NM_003654.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3820 | carbohydrate (N-acetylglucosamine 6-O) sulfotr | NM_021615.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3821 | co-beta glucosidase (proactivator) | J03077 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 3822 | dTDP-4-keto-6-deoxy-D-glucose 4-reductase (tg | AJ243721.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3823 | extracellular glycoprotein EMILIN-2 precursor (L | XM_029741.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3824 | galactokinase (galk) | U26401 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3825 | galactose-1-phosphate uridyl transferase (GALT | M96264 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |

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|------|--|-------------|---|-------|---|-------|---|-------|---|-------|---|
| 3826 | GALT3 protein mRNA, complete cds | AF154848.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3827 | glucosamine-6-phosphate | AJ002231.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3828 | glucosyltransferase | AJ224875.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3829 | glycogen debranching enzyme isoform 2 (AGL) | U84008 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3830 | glycogen synthase 1 (muscle) (GYS1) | NM_002103.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3831 | glycogenin= glycogenin-1 | X79537.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3832 | glycogenin-2 delta (glycogenin-2) (=U94359;U94 U94360 | | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3833 | hexokinase II pseudogene | U28387 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3834 | hippocampus abundant gene transcript 1 (Hiat1) NM_008246.1 | | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3835 | liver-type 1-phosphofructokinase (PFKL) (=X169 X15573 | | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3836 | LNR42 (=AJ012409.1 Human hypothetical prote | AF238866 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 3837 | lysosomal alpha-mannosidase (MANB) | U05572.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3838 | lysozyme | M19045.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3839 | mannosyl (alpha-1,3-)-glycoprotein beta-1,2-N- α | NM_002406.2 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3840 | mannosyl (alpha-1,6-)-glycoprotein beta-1,2-N- α | NM_002408.2 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3841 | mannosyl-oligosaccharide alpha-1,2-mannosida | U04301.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3842 | N-acetyl-alpha-glucosaminidase (HEXA), alpha- β | M13520 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3843 | N-acetylgalactosamine 6-sulfate sulfatase (GALI | D17629 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 3844 | N-acetylglucosamine-phosphate mutase; DKFZF | NM_015559.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 3845 | N-acetylglucosaminyl transferase component G α | NM_004204.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3846 | O-linked N-acetylglucosamine(GlcNAc) transfer | NM_003605.2 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3847 | Phosphoglucosylmutase and phosphomannomutase | AL021481 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 3848 | phosphoglycerate mutase 2 (muscle specific iso | M55673 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3849 | phosphoinositide-3-kinase, catalytic, alpha polyc | NM_006218.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3850 | phosphomannomutase 2 (PMM2) gene (5e-10 r | AF157794.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3851 | phosphoprotein enriched in astrocytes 15 (PEA1 | NM_003768.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 3852 | platelet activating factor acetylhydrolase, brain is | U72342 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3853 | pyruvate dehydrogenase (lipoamide) beta (PDH β) | NM_000925.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3854 | pyruvate kinase, muscle (PKM2)(=TCB) | NM_002654.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3855 | siah binding protein 1 (SiahBP1) | U51586 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3856 | sialidase 1 (lysosomal sialidase) (NEU1) | gi4557790 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3857 | sialyltransferase 4C (beta-galactosidase alpha-2 | NM_006278.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3858 | sialyltransferase STHM (sthm) | U14550 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3859 | sorbitol dehydrogenase (SORD) | U67243.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3860 | suCRase-isomaltase (SI) | M84646 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 3861 | UDP-galactose transporter related | AB041549.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3862 | UDP-galactose transporter related isozyme 1 | D87989.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3863 | UDP-glucose:glycoprotein glucosyltransferase 2 | NM_020121.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3864 | aldolase A, fructose-bisphosphate (ALDOA) | NM_000034.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3865 | acid phosphatase 1, soluble (ACP1), transcript v | NM_004300.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 3866 | acyl-Coenzyme A oxidase 3, pristanoyl (ACOX3) | NM_003501.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3867 | bleomycin hydrolase | X92106 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3868 | casein kinase 1, epsilon (CSNK1E) | NM_001894.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3869 | casein kinase 2, alpha 1 polypeptide (CSNK2A1 | XM_049424.2 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3870 | casein kinase 2, beta polypeptide (CSNK2B) | NM_001320.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3871 | casein kinase I gamma 2 (=AF001177) | U89896 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3872 | cysteine knot superfamily 1, BMP antagonist 1 ((| NM_013372.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3873 | dual adaptor of phosphotyrosine and 3-phosphoi | XM_052416.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3874 | GAP SH3 binding protein (Ras-GTPase-activatir | U32519 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3875 | GAP-associated protein (p190) | M94721 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 3876 | GAP-like protein (LOC51306) | NM_016603.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3877 | kappa-casein | U51899 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3878 | kinase substrate HASPP28 | U26541.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3879 | lysosomal acid phosphatase (=X12548) | X15535 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3880 | PALM (=D87460 (KIAA0270)) | Y16277 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3881 | palmitoylated erythrocyte membrane protein (MF | M64925 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3882 | PHKB gene (exon 25) | X84930.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3883 | protein phosphatase (KAP1) | L27711.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |

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|------|--|--------|---|-------|---|-------|---|-------|---|-------|---|
| 3884 | protein phosphatase 1 (PPP1R5) | Y18207 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 3885 | protein phosphatase 1 regulatory subunit 7 (PPF NM_002712.1 | | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3886 | protein phosphatase 1, catalytic subunit, alpha i NM_002708.1 | | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3887 | protein phosphatase 1, catalytic subunit, gamma Hs.79081 | | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 3888 | protein phosphatase 1, regulatory (inhibitor) subunit NM_005398.1 | | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3889 | protein phosphatase 1, regulatory subunit 10 (Pf gi4506008 | | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3890 | protein phosphatase 1, regulatory(inhibitor) subunit NP_005389.1 | | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3891 | protein phosphatase 1, regulatory subunit 7 (Ref NP_002703.1 | | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3892 | protein phosphatase 1G (formerly 2C), magnesium XM_033185.1 | | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3893 | protein phosphatase 2 (formerly 2A), regulatory : XM_041325.1 | | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3894 | protein phosphatase 2, regulatory subunit B (B5f NM_006243.1 | | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3895 | protein phosphatase 2A B'alpha1 regulatory subunit U37352 | | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3896 | protein phosphatase 2A regulatory subunit alpha J02902 | | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3897 | protein phosphatase 2C beta AJ005458.1 | | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3898 | protein phosphatase 5 (=U25174) X89416 | | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3899 | protein phosphatase-1 catalytic subunit M63960 | | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3900 | protein tyrosine phosphatase receptor type K (P* NM_002844.1 | | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3901 | protein tyrosine phosphatase(TEP1) (ORF) U96180 | | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3902 | protein tyrosine phosphatase, receptor type, alpha NM_002836.1 | | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3903 | protein tyrosine phosphatase, receptor type, epsilon NP_006495.1 | | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3904 | protein tyrosine phosphatase, receptor type, f po NP_003616.1 | | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3905 | protein tyrosine phosphatase, receptor type, M (INM_002845.1 | | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3906 | protein-tyrosine kinase, trkB X75958.1 | | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 3907 | 3-hydroxy-3-methylglutaryl-coenzyme A (HMG-C M62633 | | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3908 | 3'-phosphoadenosine 5'-phosphosulfate synthetase AF105227.1 | | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 3909 | 3'-phosphoadenosine 5'-prime-phosphosulfate synthetase NP_005434.1 | | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3910 | 5'(3')-deoxyribonucleotidase; RB-associated KR NM_014595.1 | | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3911 | 5'-3' exonuclease 1 NP_036046.1 | | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3912 | 5'-3' exonuclease X91617.1 | | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3913 | 5'-nucleotidase (purine) NM_012229.1 | | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3914 | 6-O-methylguanine-DNA methyltransferase (MG M29971.1 | | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3915 | adenosine deaminase tRNA-specific 1 (ADAT1) NM_012091.2 | | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3916 | adenosine monophosphate deaminase (isoform NM_000480.1 | | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3917 | adenosine triphosphatase M95541.1 | | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 3918 | deoxyhypusine synthase L39068.1 | | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3919 | deoxyribonuclease I-like 3 (DNASE1L3) NM_004944.1 | | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3920 | dinucleotide miCRosate II HUJ177 M96348 | | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 3921 | exonuclease 1 (Xm1) NM_011916.1 | | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3922 | G/T MISMATCH-SPECIFIC THYMINE DNA GLYCOSYLASE Q13569 | | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3923 | guanylate kinase 1 (GUK1) XM_056887.1 | | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3924 | inorganic pyrophosphatase AF119665.1 | | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3925 | nucleoside diphosphate kinase homolog (DR-nr U80813.1 | | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3926 | nudix (nucleoside diphosphate linked moiety X)-I NM_006703.1 | | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3927 | nudix (nucleoside diphosphate linked moiety X)-II NM_007083.1 | | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3928 | phosphodiesterase 10A (PDE10A) NM_006661.1 | | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3929 | phosphodiesterase 1A, calmodulin-dependent (F NM_005019.1 | | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3930 | phosphodiesterase 2A cGMP-stimulated (PDE2) NM_002599.1 | | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3931 | phosphodiesterase 4B, cAMP-specific(dunce) (D) NP_002591.1 | | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3932 | phosphodiesterase I/nucleotide pyrophosphatase NM_006209.1 | | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3933 | RhoGAP, rat homologue (chromosome 13) gi4902677 | | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 3934 | ribonuclease A (RNase A) D26129 | | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3935 | ribonuclease HI, large subunit (RNASEHI) NM_006397.1 | | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3936 | ribonuclease P (30kD) (RefSeq aa 2e-78) NP_006404.1 | | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3937 | RIBONUCLEASE PH-LIKE PROTEIN B0564.1 spQ17533 | | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3938 | rod cGMP-phosphodiesterase gamma-subunit (F U00482 | | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3939 | RY-1 putative nucleic acid binding protein X76302.1 | | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3940 | single strand DNA-binding protein AF077048.1 | | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3941 | thymidine kinase 1, soluble (TK1) K02581 | | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |

| | | | | | | | | | | | |
|------|---|-------------|---|-------|---|-------|---|-------|---|-------|---|
| 3942 | thymine-DNA glycosylase (TDG) | NM_003211.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3943 | L apoferritin | X03742 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3944 | long-chain-fatty-acid-CoA ligase, homologue (SV | Z81071 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3945 | 3-hydroxyisobutyryl-coenzyme A hydrolase | U66669 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3946 | 43 kDa inositol polyphosphate 5-phosphatase | Z31695 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3947 | 7-dehydrocholesterol reductase (DHCR7) | AF067127.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3948 | abc1 | X75926 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3949 | acetyl-CoA carboxylase | X68968 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3950 | acetyl-Coenzyme A acyltransferase 2 (mitochondr | NM_006111.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3951 | acylphosphatase 2, muscle type (ACYP2) | X84195 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3952 | alcohol dehydrogenase beta-1-subunit (ADH1-2 | X03350 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 3953 | alpha-methylacyl-CoA racemase | AF047020 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3954 | aquaporin adipose | AB006190 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3955 | carnitine carrier | Y10319 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3956 | carnitine octanoyltransferase | AF073770.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3957 | carnitine palmitoyltransferase II, precursor (CPT | U09646 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 3958 | CDP-diacylglycerol synthase(phosphatidate cytic | NP_001254.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3959 | choline kinase isolog 384D8_3 | U62317 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3960 | choline phosphotransferase 1 beta (=cholinepho | AF195624.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3961 | CTL1 protein (70% aa) | AJ245620 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3962 | CTL2 gene | AJ245621.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3963 | delta-6 fatty acid desaturase (FADS6) | NM_004265.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3964 | dihydrolipoamide acetyltransferase (PDC-E2) (E | Y00978.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3965 | dihydrolipoamide branched chain transacylase (I | XP_001705.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3966 | Drosophila fat facets related, X-linked (RefSeq a | NP_004643.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3967 | fat facets protein | AJ012078 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3968 | fatty acid binding protein 3, muscle and heart (m | NM_004102.2 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3969 | fatty acid binding protein 7, brain (FABP7) mRN | NM_001446.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3970 | fatty acid desaturase MLD, putative (contains A | AF002668 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3971 | fatty-acid-Coenzyme A ligase, long-chain 3 (RefS | NP_004448.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3972 | fumarylacetoacetate hydrolase | M55150.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3973 | geranylgeranyl diphosphate synthase 1(RefSeq | NP_004828.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3974 | hydroxysteroid (17-beta) dehydrogenase 7 (RefS | NP_057455.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3975 | L-3-hydroxyacyl-CoA dehydrogenase (=AF0019 | X96752 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3976 | lanosterol 14-alpha demethylase cytochrome P4 | U51692.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3977 | lipoyltransferase, complete cds | AB017567.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3978 | methylmalonate-semialdehyde dehydrogenase (| NM_005589.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3979 | mitochondrial short-chain enoyl-CoA hydratase | D13900 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3980 | muscle fatty-acid-binding protein (FABP) | X56549.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3981 | neuronal PAS domain protein 3 (Npas3) | NM_013780.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3982 | oxysterol binding protein (RefSeq aa 1e-87) | NP_002547.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3983 | p55PIK phosphatidylinositol 3-kinase regulatory | S79169 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3984 | perilipin | AB005293.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 3985 | phosphatidylcholine 2-acylhydrolase (cPLA2) | M68874.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3986 | phosphatidylinositol 3-kinase, class 3 (RefSeq a | NP_002638.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3987 | Phosphatidylinositol transfer protein (PI-TP) al | D30036.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3988 | phospholipase C, epsilon (PLCE)=D42108 | NM_006226.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 3989 | Phospholipase C-delta1 (Plcd1) | NM_017035.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3990 | phospholipase D1, phosphatidylcholine-specific (I | NM_002662.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3991 | pleckstrin homology domain-containing, family A | XM_011878.3 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 3992 | prostaglandin endoperoxide H synthase-1 | AF129755.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 3993 | prostaglandin endoperoxide synthase-2, PTGS2 | D28235 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 3994 | RASF-A PLA2 (synovial phospholipase) | M22431 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 3995 | RED CELL ACID PHOSPHATASE 1, ISOZYME | spP24666 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 3996 | Sac domain-containing inositol phosphatase 2 (S | NM_014937.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3997 | saposin proteins A-D | M32221 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 3998 | squalene synthase | X69141 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 3999 | steroid 5-alpha-reductase | M32313 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |

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|---|-------------|---|-------|---|-------|---|-------|---|-------|---|
| 4000 steroid membrane binding protein | X99714 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4001 steroid sulfatase (STS) | M16505 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4002 tissue factor pathway inhibitor (lipoprotein-assoc NP_006278.1 | | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4003 urf4 (ORF)= NADH-UBIQUINONE OXIDOREDU L00016 | | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4004 ATP SYNTHASE B CHAIN, MITOCHONDRIAL I spP24539 | | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4005 ATP synthase inhibitor protein | M22559 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4006 ATP synthase subunit c, P1 | D13118 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4007 ATP synthase, H transporting, mitochondrial F0 NM_005176.3 | | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4008 ATP synthase, H transporting, mitochondrial F1 NM_001686.1 | | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4009 ATP synthase, H transporting, mitochondrial F1 NM_006886.1 | | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4010 ATP synthase, H transporting, mitochondrial F1 NP_001688.1 | | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4011 ATP synthetase beta-subunit | X05606 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4012 ATP synthetase epsilon-subunit, nuclear-endoc X16978 | | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4013 ATP(GTP)-binding protein | AJ010842.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4014 breast cancer metastasis-suppressor 1 (BRMS1 AF159141.1 | | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4015 COX15 (yeast) homolog, cytochrome c oxidase NM_004376.1 | | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4016 CYTOCHROME B | P00156 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4017 cytochrome b large subunit of complex II | D49737 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4018 cytochrome bc-1 complex core P | S74321 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4019 cytochrome c oxidase chain I [MesoCRicetus au U97674 | | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4020 cytochrome c oxidase subunit II [Aribaeus jamaic AF061340 | | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4021 cytochrome c oxidase subunit IV (COX4), nucle NM_001861.1 | | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4022 cytochrome c oxidase subunit VIb (EC 1.9.3.1) X13923 | | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4023 cytochrome c oxidase subunit VIIa polypeptide 1 NP_001855.1 | | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4024 cytochrome c oxidase VIIc (EC 1.9.3.1) X52940 | | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4025 cytochrome c-1 (CYC1) | NM_001916.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4026 cytochrome oxidase I | CAA24028.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4027 cytochrome-c oxidase (EC 1.9.3.1) chain I C59153 | | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4028 ferredoxin 1 (FDX1) mRNA | NM_004109.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4029 glyoxylate reductase/hydroxypyruvatereductase NP_036335.1 | | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4030 GTP AMP phosphotransferase mRNA, complete AF183419.1 | | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4031 Hsa4 mitochondrion cytochrome oxidase subuni U12692.1 | | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4032 isocitrate dehydrogenase | U52144.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4033 isocitrate dehydrogenase 1 (NADP), soluble (ID NM_005896.1 | | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4034 isocitrate dehydrogenase 3 (NAD) gamma (IDH: NM_004135.1 | | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4035 malate dehydrogenase precursor (MDH) (mitoch AF047470 | | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4036 malonyl-CoA decarboxylase precursor (MLYCD) AF097832.2 | | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4037 mitochondria isolate Aus3 cytochrome b (CYTB AF042516 | | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4038 mitochondria solute carrier protein (MSCP) AY032628.1 | | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4039 mitochondrial (Asian) DNA control region, seque M76321.1 | | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4040 mitochondrial ATP synthase c subunit (P2 form) X69908 | | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4041 mitochondrial ATPase subunit 9 | M16439 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4042 mitochondrial carrier homologue 1 (=CGI protein AF176006.1 | | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4043 mitochondrial control region II, sample NG14 L39338 | | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4044 mitochondrial cytochrome b | AB033713.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4045 MITOCHONDRIAL CYTOCHROME B-245 HEA' spQ61093 | | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4046 mitochondrial cytochrome c oxidase subunits I, I M27315 | | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4047 mitochondrial D-loop (isolate RomB15) AJ230609.1 | | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4048 mitochondrial DNA complete genome | X93334.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4049 mitochondrial DNA, | D38112.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4050 mitochondrial genes coding for three transfer RN V00665 | | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4051 mitochondrial glutathione reductase and cytosoli AF228703.1 | | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4052 mitochondrial HSP75 | L15189 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4053 mitochondrial initiation factor 2 | L34600 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4054 mitochondrial intermediate peptidase (MIPEP), nNM_005932.1 | | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4055 MITOCHONDRIAL PROCESSING PEPTIDASE spO75439 | | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4056 mitochondrial processing peptidase beta-subunit AF054182 | | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4057 mitochondrial solute carrier (LOC51312) XM_040570.1 | | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |

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|------|--|---------------|---|-------|---|-------|---|-------|---|-------|---|
| 4058 | NAD(P)H: quinone oxireductase gene | M81600.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4059 | NADH dehydrogenase (ubiquinone) 1 beta subo | gi4758781 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4060 | NADH dehydrogenase (ubiquinone) Fe-S-protein | NP_002486.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4061 | NADH dehydrogenase subunit 3(RefSeq aa 8e-4 | gi5835395 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4062 | NADH dehydrogenase subunit 5 (RefSeq aa 3e- | gi5835398 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4063 | NADH dehydrogenase(ubiquinone) 1 alpha subc | NM_004544.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4064 | NADH:ubiquinone oxidoreductase MLRQ subunit | AF164796.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4065 | NADH:ubiquinone oxidoreductase NDUFS3 (OR | AF067139 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4066 | NADH-cytochrome b5 reductase isoform | AF125533.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4067 | NADH-UBIQUINONE OXIDOREDUCTASE 18 K | spQ43181 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4068 | NADH-UBIQUINONE OXIDOREDUCTASE 30 K | P23709 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4069 | NADH-UBIQUINONE OXIDOREDUCTASE B17 | spQ29259 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4070 | NADH-ubiquinone oxidoreductase B8 subunit | ml AF077029 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4071 | NADH-UBIQUINONE OXIDOREDUCTASE CHA | P03897 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4072 | NADH-UBIQUINONE OXIDOREDUCTASE CHA | P03915 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4073 | NADH-UBIQUINONE OXIDOREDUCTASE MWI | spO15239 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4074 | NADH-ubiquinone oxidoreductase subunit B14.5 | AF070652.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4075 | NADH-ubiquinone oxidoreductase subunit CI-B8 | AF047185 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4076 | NADPH-flavin reductase | D26308 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4077 | NDUFB8 gene | Y16004.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4078 | NRH:quinone oxidoreductase 2 gene (NQO2) | AB050248.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4079 | nuclear aconitase (mitochondrial) | U80040 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4080 | p6=cytochrome c oxidase subunit VIc homolog | C S82616 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4081 | quinolinate phosphoribosyltransferase (nicotinat | NM_014298.2 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4082 | succinate dehydrogenase iron-protein subunit (s | U17248.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4083 | Succinic semialdehyde dehydrogenase (SSADH | NM_001080.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4084 | succinyl-CoA synthetase GTP-specific beta sub | AF171077.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4085 | UBIQUINOL-CYTOCHROME C REDUCTASE C | spO14949 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4086 | beacon | AAG34704.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4087 | biotinidase | U03274 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4088 | dihydroxypolyprenylbenzoate methyltransferase | L20427 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4089 | folylpolyglutamate synthase (FPGS) mRNA | NM_004957.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4090 | isolate sporadic PCT patient 10 uroporphyrinoge | AF104440.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4091 | non-functional folate binding protein | NP_037439.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4092 | nonfunctional GM3 synthase | AF119417.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4093 | Porphobilinogen deaminase (PBG-D, EC 4.3.1.8 | X04217.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4094 | pterin-4a-carbinolamine dehydratase (PCBD) (=I | L41559 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4095 | nonhepatic arginase | D86724.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4096 | 6-pyruvoyltetrahydropterin synthase(RefSeq aa | : NP_000308.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4097 | amine oxidase, copper containing 3 (vascular ad | NM_003734.2 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4098 | Arg/Abl-Interacting protein ArgBP2a (ArgBP2a) | (AF049884 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4099 | ArgBP1B protein (=Arg protein tyrosine kinase-bl | X95677.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4100 | arginine methyltransferase | Y10806 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4101 | aspartate aminotransferase 1 (RefSeq aa 1e-51) | NP_002070.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4102 | basic leucine zipper nuclear factor 1 (JEM-1) (B | L NM_003666.1 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4103 | colon and small intestine-specific cysteine-rich p | Hs.307047 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4104 | cytidine deaminase | AF061658.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4105 | DHHC1 protein | AF247703.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4106 | dipeptidyl peptidase IV (CD26) | U13735.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4107 | duodenal cytochrome b (FLJ23462), mRNA | XM_015916.2 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4108 | extremely cysteine/valine rich protein [Leishman | AL390114 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4109 | fucosidase, alpha-L- 1, tissue (FUCA1) | gi4503802 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4110 | fumarase nuclear gene encoding mitochondrial | U48857.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4111 | fumarase precursor (FH) (mitochondrial) | U59309 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4112 | gamma-glutamyl hydrolase (conjugase, folylpoly | XM_005313.4 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4113 | glutaminase isoform C mRNA, 3'UTR | AF097494.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4114 | glutaminy-peptide cyclotransferase (glutaminy | c Hs.79033 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4115 | glycine C-acetyltransferase (2-amino-3-ketobuty | NM_014291.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |

| | | | | | | | | | | |
|------|---|-------------|-------|-------|-------|-------|-------|-------|-------|-------|
| 4116 | glycine cleavage system protein H (aminomethyl NP_004474.1 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4117 | glycine-rich protein 2 AJ130887 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4118 | glycosylasparaginase (=X55330;M64073) | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4119 | glycosyltransferase (LOC83468) | XM_049187.2 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% |
| 4120 | H-protein M69175 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4121 | HPV16 E1 protein binding protein U96131.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4122 | HPV-16 E2 binding protein (E2BP-1) (=TCFL5) AF070992.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4123 | isoleucyl-tRNA synthetase D28473 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4124 | isovaleryl-CoA dehydrogenase (IVD) gene, exon AF038318.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4125 | Kreisler (mouse) maf-related leucine zipper hom NM_005461.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4126 | kynurenine 3-monooxygenase (kynurenine 3-hy NM_003679.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4127 | lacrimal proline rich protein (RefSeq aa 2a-78) NP_009175.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4128 | L-arginine:glycine amidinotransferase X86401 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4129 | Leu zipper protein p40(61%) gi 382917 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4130 | leucine zipper protein Fip3p (=AF074382 Ikb kin AF062089 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4131 | leucine zipper protein FKSG13 (LOC90598) XM_032849.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4132 | lysosomal glycosylasparaginase (AGA) (=X5533 U21281.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4133 | MBIP protein (MBIP) NM_016586.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4134 | methionine adenosyltransferase regulatory beta AF182814 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4135 | methionyl tRNA synthetase D84224 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4136 | methyl-CpG binding domain protein 3 (MBD3) NM_003926.4 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4137 | mitochondrial isoleucine tRNA synthetase, D28500.1 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4138 | ornithine decarboxylase (contains Alu repeat) M33764 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4139 | ornithine decarboxylase antizyme 2 (OAZ2) NM_002537.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4140 | orotidine 5'-monophosphate decarboxylase M36661 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4141 | periodic tryptophan protein 2 (PWP2) U56085 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4142 | polyglutamine-containing C14ORF4 gene AJ277365.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4143 | proline isomerase FK506-binding protein (FKBP L18980.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4144 | pyrroline-5-carboxylate synthase long form (P5C U76542.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4145 | selenium binding protein 1 (RefSeq aa 8a-40) NP_003935.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4146 | selenocysteine lyase (SCLY) NM_016510.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4147 | serine (or cysteine) proteinase inhibitor, clade H XM_035024.2 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4148 | serine carboxypeptidase 1 precursor protein (HS NM_021626.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4149 | spermine synthase gene AJ009633.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4150 | suppressor of S. cerevisiae gcr2 (HSGT1) NM_007265.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4151 | BCS1 (yeast homolog)-like (BCS1L) AF026849 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4152 | SCAD gene, 5' UTR exon 1 and 2 (and joined C1280345.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4153 | selenoprotein N AF166125.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4154 | selenoprotein X (LOC51734) NM_016332.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4155 | LENG5 protein (LENG5), mRNA NM_024075.1 | 1 | 0.01% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4156 | cap-binding protein 4EHP AF047695 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4157 | elongin B; transcription elongation factor B, poly NP_009039.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4158 | eukaryotic initiation factor 2B-epsilon U23028.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4159 | eukaryotic translation initiation factor (eIF3) U78525 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4160 | eukaryotic translation initiation factor 1A (RefSeq NP_001403.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4161 | eukaryotic translation initiation factor 3, subunit 1 NM_003754.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4162 | eukaryotic translation initiation factor 3, subunit 1 NM_003752.2 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4163 | eukaryotic translation initiation factor 3, subunit 1 NM_003751.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4164 | eukaryotic translation initiation factor 4 gamma, 1 NM_003760.2 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4165 | hydantidiform mole associated and imprinted (HY AF241534.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4166 | initiation factor eIF-2B gamma subunit (eIF-2B g U38253.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4167 | MAMMA1 cDNA clone MAMMA1001942 5 AU122237.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4168 | met-tRNA-i gene 2 (clone lambda-htm2) J00311 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4169 | peptide elongation factor 1-beta mRNA, complet AF103726 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4170 | region containing eukaryotic translation elongation XM_016036.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4171 | translation initiation factor 4e AF038957.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4172 | translation repressor NAT1 (=eukaryotic translation U76111.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4173 | unr-interacting protein AJ010025.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |

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|------|---|--------------|---|-------|---|-------|---|-------|---|-------|---|
| 4174 | 838.98 23S ribosomal RNA gene | AF146762.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4175 | GAR1 protein (GAR1 gene) | AJ276003.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4176 | mitochondrial ribosomal protein L11 (MRPL11) | XM_006493.4 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4177 | mitochondrial ribosomal protein L18 (MRPL18), i | Hs.23038 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4178 | mitochondrial ribosomal protein L22 (MRPL22), i | Hs.41007 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4179 | mitochondrial ribosomal protein L3 (MRPL3), mF | Hs.79086 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4180 | mitochondrial ribosomal protein L33 (MRPL33), i | Hs.14454 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4181 | mitochondrial ribosomal protein S12 | Y11681 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4182 | mitochondrial ribosomal protein S21 (MRPS21), | Hs.81281 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4183 | mitochondrial ribosomal protein S30 (MRPS30), | Hs.28555 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4184 | ribosomal L21 protein gene | L38826.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4185 | ribosomal protein (RPS4Y) isoform | M58459 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4186 | ribosomal protein 60S acidic ribosomal | NM_016183.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4187 | ribosomal protein L17 isolog | AF164797 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4188 | ribosomal protein L20 | AE002038 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4189 | ribosomal protein LLRep3 | X17206 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4190 | ribosomal protein, complete cds | D23660.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4191 | ribosomal RNA 12S | X13956 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4192 | ribosomal RNA 23S gene | AF146762 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4193 | ribosomal RNA 28S | M30952.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4194 | Ribosomal RNA processing | NM_014285.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4195 | ribosomal RNA, large subunit ATCC 46578 | U17421 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4196 | ribosomal subunit protein L13 | AE000402 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4197 | ribosome associated membrane protein RAMP4 | AJ238236.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4198 | ribosome receptor, p180 | X87224 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4199 | RPL15 gene for ribosomal protein L15, complete | AB061823.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4200 | RPL6 gene for ribosomal protein L6, complete | α AB042820.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4201 | STEROL-REGULATORY ELEMENT-BINDING F | spO43462 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4202 | surf3 gene (ribosomal protein L7a) | X61923.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4203 | acid sphingomyelinase (ASM) gene, exons a, an | M59917 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4204 | ADAMTS-1 | AB001735 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4205 | amyloid precursor protein homolog HSD-2 | AF168956.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4206 | amyloid precursor protein-binding protein 1 | U50939 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4207 | antileukoprotease (ALP) | X04470 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4208 | basigin (BSG)(= M6 antigen) | NM_001728.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4209 | CARBOXYPEPTIDASE H PRECURSOR (CPH) | spP16870 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4210 | carboxypeptidase Z (CPZ) | NM_003652.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4211 | cathepsin S (CTSS) | M90696.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4212 | cathepsin Z precursor (CTS) gene, exons 4, 5, | AF136276.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4213 | collagenase stimulatory factor (EMMPRIN) (=L2) | L10240 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4214 | cysteine sulfinic acid decarboxylase-related prot | AF116548.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4215 | ENO2 gene for neuron specific (gamma) enolase | X51956.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4216 | inhibitor 2 of protein phosphatase 1 | AJ133812.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4217 | matrix metalloproteinase 19 (MMP19) | NM_002429.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4218 | metallocarboxypeptidase CPX-1 | AF077738 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4219 | metalloproteinase, complete cds | D83646.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4220 | pancreatic carboxypeptidase B1 precursor (RefSeq) | NP_001862.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4221 | parvulin | AB009690.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4222 | peflin (PEF) | NM_012392.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4223 | peptidase (mitochondrial processing) beta (PMP) | XM_055749.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4224 | peptidase D (PEPD) =J04605, prolidase(imidodipeptidase) | NM_000285.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4225 | placental leucine aminopeptidase | D50810.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4226 | procollagen C-proteinase enhancer protein type | AB008549.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4227 | procollagen type I proalpha 1 | K01228.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4228 | procollagen type I pro-alpha 2 chain (COL1A2) | n AF035120 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4229 | prolactin | U33446 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4230 | protease inhibitor 1 (anti-elastase), alpha-1-antitrypsin | NP_000286.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4231 | protease inhibitor 9 (ovalbumin type)(RefSeq aa) | NP_004146.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |

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|------|---|---|-------|---|-------|---|-------|---|-------|---|
| 4232 | protease subunit S5a (=U72664 S5a/antiseCRel U51007 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4233 | protease, serine, 15 (PRSS15) (=Lon protease) NM_004793.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4234 | proteasome (prosome, macropain) 26S subunit, NM_006503.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4235 | proteasome (prosome, macropain) 26S subunit, NM_002814.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4236 | proteasome (prosome, macropain) 26S subunit, NM_002811.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4237 | proteasome (prosome, macropain) activator subunit NP_002809.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4238 | proteasome (prosome, macropain) subunit, alpha NP_002777.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4239 | proteasome (prosome, macropain) subunit, alpha NP_002781.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4240 | proteasome (prosome, macropain) subunit, beta NP_002788.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4241 | proteasome (prosome, macropain) 26S subunit, NM_002807.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4242 | proteasome (prosome, macropain) 26S subunit, NM_002813.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4243 | PROTEASOME COMPONENT C3 (MACROPAI spP25787 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4244 | PROTEASOME COMPONENT C5 (MACROPAI spP20618 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4245 | proteasome inhibitor hPI31 subunit D88378 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4246 | proteasome subunit Hsc7-l D26599 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4247 | proteasome subunit p3126S D38047 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4248 | proteasome subunit p44.5 26S AB003102 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4249 | proteasome subunit p58 D67025 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4250 | proteasome subunit p97 26S D78151.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4251 | protein arginine N-methyltransferase 1 (HRMT1) AF222689 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4252 | protein arginine N-methyltransferase 2 (PRMT2) U80213 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4253 | PROTEIN PLT spQ02083 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4254 | protein product (=AF125387) D.melanogaster L8 AK000987 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4255 | protein rapamycin associated protein (FRAP2) g U88966.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4256 | protein translocation complex beta (SEC61B) NM_006808.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4257 | proteinase chain 5a (non-exact 71%) 26S NM_002810.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4258 | serine protease, umbilical endothelium (SPUVE) NM_007173.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4259 | sorting nexin 10 (SNX10) AF121860.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4260 | sorting nexin 11 (SNX11) NM_013323.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4261 | stromelysin-3 X57766 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4262 | thimet oligopeptidase (metalloproteinase) (=U29 Z50115 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4263 | thrombin inhibitor Z22658.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4264 | TIMP-3 (=mig-5) (=K222) D45917 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4265 | tissue inhibitor of metalloproteinase 2 (TIMP2) NM_003255.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4266 | tissue inhibitor of metalloproteinase 4 (TIMP4) g AF057532.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4267 | tripeptidyl peptidase II (TPP2) NM_003291.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4268 | trypsin-like serine protease (TLSP) gene AF164623.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4269 | Ubc6p homolog U93242.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4270 | 33 polypeptide X07266 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4271 | BRCA1, Rho7 and vat1 genes L78833.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4272 | BRCA1-associated RING domain protein (BARD AF038042.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4273 | chaperonin subunit 5 (epsilon) (Cct5) (=D43950. gi6671701 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4274 | deubiquitinating enzyme (UNPH4)= AF153604 u AF106069 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4275 | E1-E2 ATPase AF155913.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4276 | farnesyl transferase, CAAX box, beta (FNTB) NM_002028.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4277 | F-box only protein 3 (FBXO3) NM_012175.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4278 | F-box only protein 9 (FBXO9), transcript variant : Hs.11050 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4279 | F-box protein Fbl3a (ORF) AF129532_1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4280 | F-box protein FBX11 AF176706 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4281 | F-box protein Fbx25 AAF04526.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4282 | F-box protein FBX29 (FBX29) AF176707.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4283 | F-box protein Lilina (LILINA) AF179221.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4284 | hkf-1 D76444 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4285 | huntingtin interacting protein HYPB AF049610.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4286 | huntingtin-interacting AF049528 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4287 | LUCA-15 protein splice variant AF107493 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4288 | miCRosomal signal peptidase complex (SPC 18) J05466 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4289 | MRS1 protein (MRS1) NM_015368.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |

| | | | | | | | | | | | |
|------|---|-------------|---|-------|---|-------|---|-------|---|-------|---|
| 4290 | myristoyl-CoA:protein N-myristoyltransferase | Y17208.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4291 | Nedd4-like ubiquitin-protein ligase (LOC116013 XM_057201.1 | | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4292 | neuronal calcium sensor (NCS-1) | L27421 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4293 | N-myristoyltransferase 2 (NMT2) | NM_004808.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4294 | paired basic amino acid cleaving enzyme (furin, NM_002569.1 | | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4295 | peptidylprolyl isomerase (cyclophilin)-like 3 (PPII NM_032472.1 | | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4296 | peptidylprolyl isomerase D (cyclophilin D) (PPID) Hs.143482 | | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4297 | peroxisomal acyl-coenzyme A oxidase | S69189 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4298 | PEROXISOMAL ANTIOXIDANT ENZYME (LIVE spP30044 | | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4299 | peroxisomal Ca-dependent solute carrier | AF004161 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4300 | prolyl oligopeptidase | X74496 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4301 | protein disulfide isomerase-related (PDIR) | NM_006810.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4302 | protein gene product (PGP) 9.5 (=P09936 UBIQ X04741 | | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4303 | rapamycin- and FK506-binding protein | M75099.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4304 | ribophorin I | Y00281 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4305 | signal recognition particle 19kD (SRP19), mRNA NM_003135.1 | | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4306 | site-1 protease(subtilisin-like, sterol-regulated, cl NM_003791.1 | | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4307 | SRcyp protein (=U40763 Clk-associated RS cycl X99717 | | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4308 | synthetic ubiquitin (UBCEP80) gene | M24507.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4309 | TL132 | AJ012755 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4310 | translocon-associated protein alpha subunit (=D AF156965.1 | | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4311 | ubiquinone oxidoreductase complex CI-PDSW | X63224 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4312 | ubiquitin associated protein (UBAP), | NM_016525.2 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4313 | UBIQUITIN CARBOXYL-TERMINAL HYDROLASE spQ24574 | | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4314 | ubiquitin carrier protein E2-C (UBCH10)(= cyclin NM_007019.1 | | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4315 | ubiquitin conjugating enzyme (UbcH8) | AF031141 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4316 | ubiquitin conjugating enzyme type UBC9 | X96427.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4317 | Ubiquitin conjugating enzyme UEV1Bs (UBE2V) U97280.1 | | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4318 | ubiquitin fusion degradation 1-like(RefSeq aa 6e NP_005650.1 | | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4319 | ubiquitin ligase (Nedd4) protein | U50842 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4320 | ubiquitin specific protease 13 (isopeptidase T-3) NP_003931.1 | | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4321 | ubiquitin specific protease 3 (USP3), mRNA /cds Hs.251636 | | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4322 | ubiquitin specific protease 7 (herpes virus-assoc NM_003470.1 | | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4323 | ubiquitin specific protease 8 (USP8)(=KIAA0055 NM_005154.1 | | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4324 | ubiquitin specific protease 9 (USP9Y) | XM_000563.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4325 | ubiquitin-activating enzyme E1 (A1S9T and BN7 NM_003334.1 | | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4326 | ubiquitinating enzyme E2-230 kDa | U20780.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4327 | UBIQUITIN-CONJUGATING ENZYME E2-17 KI spP23567 | | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4328 | ubiquitin-conjugating enzyme E2A (RAD6 homolog gl4507768 | | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4329 | ubiquitin-conjugating enzyme E2I (homologous t XM_007786.5 | | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4330 | ubiquitin-conjugating enzyme E2L 1 (UBE2L1) = NM_003346.1 | | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4331 | ubiquitin-conjugating enzyme HBUCE1 (LOC516 NM_015983.1 | | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4332 | ubiquitin-conjugating enzyme UbcM2 | AF003346 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4333 | ubiquitin-conjugating enzyme UbcM3 | X92665 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4334 | ubiquitin-like protein | D23662 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4335 | ubiquitin-protein ligase E3-alpha (UBR1) gene, e AF067385.1 | | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4336 | ubiquitin-protein ligase NEDD4-like (NEDD4L) | NM_015277.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4337 | vacuolar protein sorting 35 | NM_018206.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4338 | vacuolar protein sorting 45B (yeast homolog) (VI NM_007259.1 | | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4339 | vacuolar protein sorting homologue h-vps45 | U35246 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4340 | vacuolar protein sorting protein 16 | AAG34678.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4341 | VACUOLAR PROTEIN SORTING-ASSOCIATE1 spQ02767 | | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4342 | vacuolar proton pump delta polypeptide (VATD) | NM_015994.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4343 | zinc metalloproteinase,STE24 (yeast, homolog) | NM_005857.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4344 | zinc transporter 1 (ZNT1) | AF048701.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4345 | AZ2 | AB007141 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4346 | bromodomain protein CELTIX1 | AAF19526.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4347 | corticotropin releasing hormone-binding protein (NM_001882.2 | | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |

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|--|-------------|---|-------|---|-------|---|-------|---|-------|---|
| 4348 ID4 protein | Y07958 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4349 inhibitor of DNA binding 2, dominant negative he | XM_045365.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4350 inhibitor of kappa light polypeptide gene enhanc | NP_003631.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4351 methyl-CpG-binding protein 2 | AJ132917.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4352 modifier 3 (M33) (=Y13274 M33 polycomb-like p | Y13274 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4353 neural retinal-specific | U95012.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4354 neural specific protein CRMP-2 gene | U83278.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4355 TANK-binding kinase 1 (TBK1) | NM_013254.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4356 TBP-associated factor 170 (TAFII170)(low match | AJ001017.2 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4357 4-aminobutyrate aminotransferase (ABAT), nucle | NM_000663.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4358 activating transcription factor 6 (RefSeq aa 2e-7) | NP_031374.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4359 adenovirus 5 E1A binding protein (BS69) | NM_006624.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4360 AF-6 | AB011399 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4361 AT-binding transcription factor 1 (ATBF1)(= zinc | NM_006885.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4362 BACH1 | AB002803.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4363 basic transcripTion factor 62kD subunit (BTF2) | M95809 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4364 basic-leucine zipper nuclear factor (JEM-1) | U79751 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4365 BCE-1 protein (BCE-1) | NM_007005.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4366 B-cell CLL/lymphoma 3 (BCL3) | NM_005178.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4367 Bcl-2-associated transcription factor short form n | AF249273.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4368 beta-hydroxysteroid dehydrogenase type VII 17 | AF098786.2 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4369 B-IND1 protein (B-ind1) | Z97207.2 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4370 B-myb | X13293 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4371 BTF3 protein homologue gene, complete cds /cc | Hs.181967 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4372 C3HC4-like zinc finger protein | AF214680 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4373 CAGH1a (CAGH1) | U80738 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4374 cAMP responsive element modulator (CREM) | AF213898.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4375 CCAAT transcripTion binding factor subunit gan | Z74792 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4376 CCT (chaperonin containing TCP-1) epsilon sub | Z31555 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4377 cell growth regulatory with ring finger domain (C | NM_006568.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4378 Che-1 (ORF) | AF083208 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4379 c-helix-loop-helix-PAS orphan MOP3 | AF044288.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4380 chick ovalbumin upstream promoter transcripTio | M62760.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4381 cis-acting sequence | M82882.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4382 CREB binding protein (Rubinstein-Taybi syndrom | gi4758055 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4383 CREB327=cyclic AMP-responsive enhancer bink | S72459 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4384 CRE-BP1 transcription factor = cyclic AMP resp | U16028.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4385 DNA (cytosine-5-)-methyltransferase 1(RefSeq | NP_001370.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4386 DNA for 3' untranslated region of the Id4 domina | AJ001971 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4387 DNA-binding factor (ORF) | M29204 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4388 DNA-binding protein (mbp-1) | M32019.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4389 DNA-BINDING PROTEIN RFXANK | spO14593 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4390 Dr1-associated corepressor (DRAP1) | U41843 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4391 erm | X96375 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4392 erythroid differentiation-related factor 1 | AF040247.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4393 ETO=MTG8 (=X79990;D14289;D43638;D13979 | S78158 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4394 ETS (qh43e05.x1 Soares_NFL_T_GBC_S1 clon | AI239823 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4395 ets-like protein (clone 3A) | Z49982.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4396 ETX1, ETX1=X-linked retinitis pigmentosa (RP3) | S82496.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4397 frizzled (fre) mRNA, complete cds | U68057.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4398 Friend of GATA2 (FOG2) | NM_012082.2 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4399 frizzled-1 | AB017363 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4400 frizzled-7 | AB017365 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4401 g1-related zinc finger protein | AF171875 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4402 GCN5 (general control of amino-acid synthesis, | NM_001487.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4403 general transcription factor IIIC, polypeptide 2 (b | NP_001512.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4404 GT212 | L38935.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4405 hairy/enhancer-of-split related with YRPW motif | NM_012258.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |

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|--|-------------|---|-------|---|-------|---|-------|---|-------|---|
| 4406 hbrn | X72889.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4407 helix-loop-helix protein (ld-2) | M97796.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4408 helix-loop-helix transcription factor sequence | M97636.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4409 hepatocellular carcinoma associated ring finger | AF247565.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4410 HIV associated non-Hodgkin's lymphoma (clone Y16715 | | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4411 HIV-1 rev binding protein 2 (RefSeq aa 5e-83) | NP_008974.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4412 HIV-1 Vpr-binding protein (VprBP) | AF061935.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4413 HIV-associated non-Hodgkin's lymphoma (clone Y17170 | | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4414 HIV-EP2/Schnurri-2 | M60119.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4415 HMG box containing protein 1 | AF019214 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4416 homeo box B5 (HOXB5) | NM_002147.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4417 homeo box C10 (HOXC10), (=homeoprotein C1) | NM_017409.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4418 homeobox protein mRNA, 3' end, clone HOX2.3 | M30598.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4419 homeodomain interacting protein kinase 2 (Hipk) | NM_010433.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4420 homeostasis endoplasmic reticulum protein (ERI) | NM_006387.2 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4421 HOX2H | X16665 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4422 HRS gene, partial cds (=SRP40-1) | AF020307.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4423 Hypothetical zinc finger-like protein | AAF88107.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4424 hypoxia inducible factor (aHIF) antisense R+D2 | U85044.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4425 hypoxia inducible gene-14 | AB017708.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4426 HZF2 zinc finger protein | X78925 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4427 HZF4 mRNA for zinc finger protein | X78927.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4428 HZF9 zinc finger protein | X78932.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4429 Id1 (=U57645;S78825) | X77956 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4430 interferon regulatory factor 3 (IRF3) | NM_001571.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4431 Jun activation domain binding protein | U65928.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4432 jun dimerization protein gene | AF111167.2 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4433 KIAA0744 gene product; histone deacetylase 7 (NM_014707.1 | | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4434 KIAA1605 (=transcription factor LZIP-alpha gene) | AB046825.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4435 KIAA1611 protein (=ZINC FINGER PROTEIN 1) | BAB13437.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4436 KNSL4 and MAZ(kinesin-like DNA binding protein) | AB017335 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4437 KRAB zinc finger protein (RITA) | AF272148.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4438 krueppel-like zinc finger protein HZF2 | AF220492.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4439 leucine zipper transcription factor-like 1 (LZTFL1) | AJ297351.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4440 LIM-domain binding factor CLIM1 (CLIM1) | AF068651.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4441 MAR/SAR DNA binding protein (SATB1) | M97287 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4442 Meis1-related protein 1b (Mrg1b) | U68384 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4443 Meis1-related protein 2 (MRG2) | U68385 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4444 MFH-1 (=X74040) | Y08223 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4445 MIDA1 (=U53208 ZRF1) | D63784 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4446 midline 1 fetal kidney isoform 2 (MID1) | AF041209 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4447 midline 1 fetal kidney isoform 3 (MID1) | AF041210.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4448 monocytic leukaemia zinc finger protein (MOZ) | U47742.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4449 monokine induced by gamma interferon (MIG) | NM_002416.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4450 MYCL2 (low match) | J03069 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4451 novH | X78354 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4452 NPAT gene | D89854.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4453 nuclear cap binding protein 1, 80kD (NCBP1) | NM_002486.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4454 nuclear factor I (NFI) | U18761.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4455 nuclear factor NF45 | U10323.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4456 nuclear factor of activated T-cells 5 (NFAT5)(OR) | NM_006599.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4457 nuclear inhibitor of protein phosphatase-1 (PPP1) | AF064757.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4458 nuclear protein, ataxia-telangiectasia locus (Ref NP_002510.1 | | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4459 OZF | X70394 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4460 paired-like homeodomain transcription factor 2 (I) | NM_000325.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4461 PEBP2a1 protein | D14636 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4462 pleomorphic adenoma gene-like 1 (PLAGL1) | U81992 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4463 PP15 (placental protein 15) | X07315 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |

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| 4464 | Pur (pur-alpha) | M96684.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4465 | putative hepatic transcription factor (WBSCR14) | AF156673.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4466 | putative transCRiption factor CA150 (ORF) | AF017789 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4467 | putative transcription factor-like nuclear regulator CAC04245.1 | | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4468 | putative translation initiation factor (SUI1) =L262 NM_005801.1 | | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4469 | putative zinc finger protein (RefSeq aa 2e-30) | NP_057688.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4470 | putative zinc finger protein NY-REN-34 antigen (NM_016119.1) | | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4471 | RELA (v-rel avian reticuloendotheliosis viral onco) | CAB66119.2 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4472 | retinoblastoma binding protein RBQ-1 | X85133 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4473 | ring finger protein 1 (RING1) | Z14000 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4474 | ring finger protein 5 (RNF5) | XM_057888.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4475 | Ring1 and YY1 binding protein (RYBP) | NM_012234.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4476 | RING12 | X62741.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4477 | RING4 | X57522.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4478 | runt-related transcription factor 3 (RUNX3), (=PE | XM_001616.3 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4479 | SAP18, Sin3-associated-polypeptide 18 | Z97062 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4480 | short form transcription factor C-MAF (c-maf) | AF055376.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4481 | SIX4 gene | AB024687.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4482 | SMAD5 (Smad5) | AF010607 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4483 | small zinc finger-like protein (TIM13) | AF144700.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4484 | small zinc finger-like protein (TIM9a) | AF150100.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4485 | SOX11 | AB028641.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4486 | SOX6 (SOX6) gene | AF309471.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4487 | SRD-2 mutant sterol regulatory element binding | U22818 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4488 | SRE-ZBP | Z11773 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4489 | SRF accessory protein 1B (SAP-1) | M85164.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4490 | Staf50 | X82200.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4491 | strain C57BL/6 zinc finger protein 106 (Zfp106) | AF060246.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4492 | survival of motor neuron protein interacting prote | AF027150.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4493 | SYBL1 (contains L1 repeat) | gi4165269 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4494 | TAR (HIV) RNA-binding protein 1 (TARBP1)(OR | NM_005646.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4495 | TAR DNA binding protein(TARDBP) (=DKFZp56 | NM_007375.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4496 | TATA binding protein associated factor (TAFII15 | AF040701.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4497 | TATA box binding protein (TBP)-associated fact | NM_006284.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4498 | TATA box binding protein (TBP)-associated fact | NM_005681.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4499 | TATA box binding protein(TBP)-associated fact | NP_005636.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4500 | TATA box binding protein-related factor 2 mRNA | AF136570 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4501 | TATA-binding protein (=Z22828 TFIID) | M55654 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4502 | Tat-SF1 | U76992 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4503 | TGF(beta)-induced transcription factor 2 (LOC11 | XM_057236.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4504 | thyroid hormone receptor coactivating protein (S | NM_006696.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4505 | thyroid receptor interactor (TRIP8) | L40411.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4506 | thyroid receptor interactor (TRIP9) | L40407 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4507 | tissue-type pituitary Kruppel-associated box prot | AF070666 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4508 | TPMT thiopurine S-methyltransferase gene | AB045146.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4509 | transCRiption associated with monocyte to maCRo | X85750 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4510 | transcription elongation factor B (SIII), polypepti | NM_005648.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4511 | transCRiption elongation factor TFIIS.h | AJ223473 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4512 | transCRiption factor (TFIIB) | M76766 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4513 | transcription factor 12 (RefSeq aa 1e-54) | NP_003196.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4514 | transcription factor 17(TCF17) (ORF) | NM_005649.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4515 | transcription factor BMAL2 (RefSeq aa 8e-35) | NP_064568.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4516 | transCRiption factor CA150 (CA150) (=AF01778 | gi5729753 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4517 | transcription factor Dp-2 (E2F dimerization part | NM_006286.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4518 | transCRiption factor ETR103 | M62829 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4519 | transcription factor IGHM enhancer 3, JM11 prot | AF196779.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4520 | transcription factor IIC102 | AF133123.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4521 | transCRiption factor L-Sox5 | AJ010604.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |

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|------|--|-------------|---|-------|---|-------|---|-------|---|-------|---|
| 4522 | transcription factor RTEF-1 (RTEF1) | U63824 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4523 | transcription factor SL1 | L39060 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4524 | transcription factor SOX8 (SOX8) | AF164104.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4525 | transcription factor TFIIA small subunit p12 | U21242 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4526 | transcription factor(HSA130894) | NM_017569.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4527 | transcription factor-like 1(TCFL1)(= YL-1 mRNA | NM_005997.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4528 | transcription initiation factor IA protein (TIF-IA g | AJ272050.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4529 | transcription initiation factor TFIID subunit TAF | U30504 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4530 | transcription regulator protein (BACH1) | AF026199 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4531 | transcription regulator RPD3-2B (=AF039703 h | U75697 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4532 | transcription termination factor, RNA polymerase | NP_031370.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4533 | transcriptional activator hSNF2a (=X72889 hbn | D26155 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4534 | transcriptional co-activator CRSP33 (CRSP33) | AF104251 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4535 | transcriptional enhancer factor (TEF1) | M63896.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4536 | transcriptional intermediary factor 1 alpha | AF119042 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4537 | transcriptional repressor (CTCF) | U25435.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4538 | transcription-associated zinc ribbon protein (ZNF | AF024617.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4539 | transducin beta-2 subunit (=M16538 signal-trans | M36429 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4540 | ubiquitin (UBN1) gene, exons 1b and 2 | AF108454.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4541 | WD repeat domain 6 (WDR6) | NM_018031.2 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4542 | X2 box repressor | U22680 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4543 | X28 region near ALD locus containing dual spec | U52111.2 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4544 | XAP-4 GDI (=X79353) | X79353 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4545 | YSK1 | D63780.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4546 | yz99g12.r1 Soares melanocyte 2NbHM cDNA cl | W03533.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4547 | ZFX transcription activator | X59739.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4548 | ZHX1 protein (ZHX1) | AF195766.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4549 | zinc finger 2 (ZNF2 gene) | X60152.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4550 | zinc finger 5 protein | D89859.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4551 | zinc finger homeobox protein ZHX1 | AF106862.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4552 | zinc finger homeodomain protein | U12170.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4553 | zinc finger protein (HZF6) (non-exact, 66%) | AF027513 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4554 | zinc finger protein (LOC51042) | NM_015871.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4555 | zinc finger protein (low match) | X78933 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4556 | zinc finger protein (ZAN75) | NM_018759.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4557 | zinc finger protein (ZNF139)mRNA | U09848.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4558 | zinc finger protein (ZNF141) | L15309 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4559 | zinc finger protein (ZNF155) | U09852 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4560 | zinc finger protein (ZNF741) | U28282 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4561 | zinc finger protein (ZNF-U69274) | NM_014415.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4562 | zinc finger protein 10 (KOX 1) (RefSeq aa 3e-47 | NP_003410.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4563 | zinc finger protein 124 (HZF-16) (ZNF124) | NM_003431.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4564 | ZINC FINGER PROTEIN 136 (61% aa) | spP52737 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4565 | zinc finger protein 136 (clone pHZ-20)(RefSeq a | NP_003428.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4566 | zinc finger protein 146 (ZNF146) | NM_007145.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4567 | zinc finger protein 161 (RefSeq aa 1e-74) | NP_009077.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4568 | zinc finger protein 162 (ZNF162) | NM_004630.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4569 | ZINC FINGER PROTEIN 177 (69% aa) | spQ13360 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4570 | zinc finger protein 195 (ZNF195) | gi6005973 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4571 | zinc finger protein 198 (ZNF198) | NM_003453.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4572 | zinc finger protein 202(ZNF202) | NM_003455.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4573 | zinc finger protein 223 (ZNF223) | NM_013361.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4574 | zinc finger protein 232 (RefSeq aa 2e-68) | NP_055334.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4575 | zinc finger protein 258 (ZNF258) | NM_007167.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4576 | zinc finger protein 268 (ZNF268) mRNA, comple | Hs.183291 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4577 | zinc finger protein 281 (ZNF281) (ORF) | NM_012482.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4578 | zinc finger protein 288 (ZNF288), mRNA /cds=(4 | Hs.159456 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4579 | zinc finger protein 297 (ZNF297) | NM_005453.2 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |

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|------|---|-------------|---|-------|---|-------|---|-------|---|-------|---|
| 4580 | zinc finger protein 41 (ZNF41) | M92443.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4581 | ZINC FINGER PROTEIN 83 (ZINC FINGER PR | spP51522 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4582 | zinc finger protein dp | AF153201.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4583 | zinc finger protein EZNF (EZNF) | AF116030 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4584 | zinc finger protein FOG-2 | AF119334.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4585 | zinc finger protein homologous to Zfp-36 in mou | NM_003407.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4586 | zinc finger protein mRNA | Y14443.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4587 | zinc finger protein NY-REN-21 antigen | AF155100.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4588 | zinc finger protein SBZF2 mRNA, complete cds | AF139460.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4589 | zinc finger protein ZNF131 | U09410 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4590 | zinc finger protein ZNF140 | U09368.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4591 | zinc finger protein(ZF5128) | NM_014347.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4592 | zinc finger protein, C3H-type =AF061261 zinc fir | NM_005757.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4593 | zinc finger protein, HZF2 | X78925.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4594 | zinc finger protein219 | NM_016423.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4595 | zinc finger RNA binding protein (Zfr) | AF071059.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4596 | zinc-finger protein (ZNF76) | M91592 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4597 | zinc-finger protein PFM1, PR-domain | AF144757.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4598 | Zn-15 related zinc finger protein (rlf) mRNA, corr | U22377.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4599 | ZNF135-like protein | AF265236.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4600 | ZNF258 (ZNF258) | AF055470 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4601 | ZNF81 (non-exact) | X68011 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4602 | bromodomain-containing 7 (BRD7), mRNA | NM_013263.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4603 | 218 kD Mi-2 protein (= proliferating cell nucleolar | X86691 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4604 | cell-line THP-1 GTP cyclohydrolase I | U66095.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4605 | cleavage stimulation factor, 3' pre-RNA, subunit | NM_001326.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4606 | CPSF (cleavage and polyadenylation specificity | X95906 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4607 | CTD-binding SR-like protein rA8 | U49055 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4608 | C-terminal binding protein 2 (CTBP2) | NM_001329.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4609 | dCMP deaminase (DCTD) | NM_001921.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4610 | DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide | NM_007242.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4611 | DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide | NM_004397.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4612 | DEAD-box protein abstrakt(ABS), (ORF) | NM_016222.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4613 | double stranded RNA activated protein kinase (F | AF167458.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4614 | double-stranded RNA binding nuclear protein DF | AJ271746.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4615 | endoplasmic reticulum luminal protein (ERP28) | NM_006817.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4616 | EWS gene | AB016207.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4617 | glutamyl-prolyl tRNA synthetase; proline tRNA li | NP_004437.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4618 | heterogeneous nuclear ribonucleoprotein A0 (H | NM_006805.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4619 | heterogeneous nuclear ribonucleoprotein L (HNF | X16135 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4620 | hnRNA-binding protein M4 (M4 protein) | S35532 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4621 | hnRNP-E1 | X78137.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4622 | LRR FLI-I interacting protein 2 (LRRFIP2) | AF115509.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4623 | nuclear matrix protein p84 | NM_005131.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4624 | nuclear protein (mdm-1) | M20823.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4625 | nuclear protein double minute 1 | AF267851.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4626 | nuclear protein, NP220 | D83032 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4627 | ORF2 consensus sequence encoding endonucle | AAB41224.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4628 | partial mRNA for double stranded RNA binding r | AJ271747.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4629 | poly(A)-binding protein, cytoplasmic 4 (inducible | NM_003819.2 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4630 | pur alpha extended | X91648 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4631 | ribonucleoprotein SS-B/La (=J04205) | X13697 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4632 | RNA 3'-terminal phosphate cyclase (RPC) mRN | NM_003729.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4633 | RNA binding motif protein 4 (RBM4) | gi4506444 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4634 | RNA binding motif protein 9 (isoform 1) (=AL00 | CAB63054.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4635 | RNA binding motif protein, X chromosome (RBM | NM_002139.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4636 | RNA cyclase homolog | AF067172.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4637 | RNA helicase (LOC51139)(= KIAA0801) | NM_016130.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |

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| 4638 | RNA helicase (RIG-I) | AF038963.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4639 | RNA helicase HDB/DICE1 | AF141326.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4640 | RNA helicase-related protein | AF083255 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4641 | RNA helicase-related protein (RNAHP) | XM_044384.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4642 | RNA-binding protein (autoantigenic) (RALY) | NM_016732.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4643 | RRM RNA binding protein Gry-rbp (GRY-RBP) | AF037448.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4644 | SIR2 (silent mating type information regulation 2) | NM_012237.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4645 | sir2-like 1 (SIRT1) | NM_012238.2 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4646 | small nuclear ribonucleoprotein D3 polypeptide (NM_004175.1) | | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4647 | small nuclear ma (snma) gene (clone pu1-6) and K00529.1 | | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4648 | small nuclear RNA activating complex, polypeptide 4507100 | | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4649 | Smg GDS-associated protein SMAP | U59919 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4650 | SnRNP assembly defective 1 homologue (SAD1) | gi5730024 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4651 | SNRPN | U81001.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4652 | SOF1 PROTEIN | spP33750 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4653 | SPF31 (SPF31) | AF083190 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4654 | splicing factor (45kD) (SPF45) (ORF) | NM_006450.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4655 | splicing factor 30, survival of motor neuron-related | NM_005871.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4656 | splicing factor arginine/serine-rich 5 (SFRS5) | XM_031133.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4657 | splicing factor Prp8 | AF092565.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4658 | splicing factor SC35 | M90104.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4659 | splicing factor SRp40-3 (SRp40) | U30827.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4660 | splicing factor SRp55-1 (SRp-55) | U30883.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4661 | splicing factor, arginine/serine-rich 2, interacting | Hs.51957 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4662 | SPLICING FACTOR, ARGININE/SERINE-RICH | spQ12872 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4663 | splicing factor, arginine/serine-rich2, interacting | NP_004710.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4664 | splicing factor, SF1-HL1 isoform | Y08765 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4665 | SRp25 nuclear protein(LOC51329) | NM_016638.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4666 | SRp46 splicing factor retropseudogene | AF031166.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4667 | SR-related protein LD2 (=RNA-binding protein S) | AF247662.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4668 | stau6n (Drosophila, RNA-binding protein) homologue | NM_014393.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4669 | stau6n protein (STAU) | AF061940 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4670 | step II splicing factor SLU7 (SLU7) (ORF) | NM_006425.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4671 | SYNCRIP | AB035725.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4672 | TIA1 cytotoxic granule-associated RNA-binding | NP_003252.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4673 | tRNA-Lys gene (low match: nt 1e-10) | U00939.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4674 | U1 small nuclear ribonucleoprotein 70 kd protein | M22636 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4675 | u1B-IC/SNRPN transCRIPT | L80005.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4676 | U2 small nuclear RNA gene | K03022.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4677 | U2 snRNP auxiliary factor small subunit | M96982 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4678 | U5 snRNP-specific protein, 116 kD (U5-116KD) | gi4759279 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4679 | U50' snoRNA and U50 snoRNA | AB017710.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4680 | U6 snRNA-associated Sm-like protein LSm6 | AF182292.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4681 | U6 snRNA-associated Sm-like protein LSm7 (LC) | NM_016199.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4682 | U6 snRNA-associated Sm-like protein LSm8 | AF182294.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4683 | pre-mRNA splicing factor (PRP18) | NM_003675.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4684 | RNA polymerase II 14.5 kDa subunit | Z23102 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4685 | RNA polymerase subunit hRPB 33 | J05448 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4686 | rsly1p | U57687 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4687 | SC35-interacting protein 1 (SRRP129)(= splicing | NM_004719.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4688 | TAF13 RNA polymerase II, TATA box binding pr | BC017821.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4689 | TAF7 RNA polymerase II, TATA box binding pro | Hs.155188 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4690 | BAT2-related gene | AL096857.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4691 | BC-2 protein | AF042384 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4692 | chitinase 3-like 1(cartilage glycoprotein-39) (CHI) | NM_001276.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4693 | Ig superfamily protein (Z39IG) | NM_007268.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4694 | lymphocyte antigen 6 complex, locus E (LY6E), | XM_051298.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4695 | natural killer cell enhancing factor (NKEFB) | L19185.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |

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|------|---|-------------|---|-------|---|-------|---|-------|---|-------|---|
| 4696 | 75-kD autoantigen (PM-Sc1) | M58460 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4697 | activity and neurotransmitter-induced early gene | AF050663 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4698 | alpha-2-macroglobulin receptor-associated prote | M63959.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4699 | B-cell receptor associated protein (hBAP) | U72511 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4700 | B-cell receptor-associated protein BAP29 | AF126020 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4701 | cartilage associated protein | X97607 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4702 | cartilage associated protein(CRTAP) | NM_006371.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4703 | cbl-b | U26710.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4704 | chromosome 1 immunoglobulin V (K) | X17278 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4705 | early activation antigen CD69 | L07555 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4706 | early endosome antigen 1, 162kD (EEA1) | NM_003566.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4707 | erythroblast macrophage protein EMP | AF084928.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4708 | HLA CLASS I HISTOCOMPATIBILITY ANTIGEN | P30511 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4709 | HLA class I locus C heavy chain | X58536.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4710 | HLA class III region (NOTCH4 gene) | U89336 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4711 | HLA-A gene, HLA-A*0205 allele | L76290.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4712 | HLA-B associated transcript-2 (D6S51E) (= MSH | NM_004638.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4713 | HLA-B35 mRNA (ORF) | Z22651 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4714 | hla-dr heavy chain cooh terminus | J00200.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4715 | HMBA-inducible (HIS1)=AB021179, HEXIM1 pr | NM_008460.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4716 | immunoglobulin (CD79A) binding protein 1 (IGBI | NM_001551.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4717 | immunoglobulin G Fc receptor (ORF) | J03619.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4718 | immunoglobulin superfamily containing leucine-r | AB024537.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4719 | immunoglobulin superfamily member protein (BL | AF132811.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4720 | immunoglobulin superfamily, member 6 (IGSF6) | gi5031672 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4721 | imogen 38 (RefSeq aa 1e-60) | NP_005821.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4722 | leukocyte common antigen (T200) | Y00638 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4723 | major histocompatibility class II antigen gamma | K01144 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4724 | major histocompatibility complex, class I, E (HLA | NM_005516.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4725 | major Yo paraneoplastic antigen(CDR2) | M63256 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4726 | male-enhanced antigen(MEA) | NM_014623.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4727 | MHC binding protein-2 | AAA36202.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4728 | MHC class I promoter binding protein (=AF1201 | X65463 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4729 | miCRoglobulin (ORF)(C to A point mutation at nt | S82300 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4730 | mutant (Daudi) beta2 - miCRoglobulin (ORF) | X07621 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4731 | PA28 gamma subunit (Psmc3) | AB007139 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4732 | SART-1 | AB006198.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4733 | strain ECOR 24 rIB operon, complete sequence | AF053967 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4734 | SWAP-70 homolog | AF134894.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4735 | T-cell antigen receptor alpha-chain (TCR-ATF2) | M77167.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4736 | T-cell nuclear receptor NOT (Nurr1) | AB019433.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4737 | T-cell receptor alpha chain-c6.1A fusion protein | S72931.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4738 | T-cell receptor alpha delta locus | AF283991.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4739 | T-cell receptor alpha delta locus from bases 1 to | AE000658.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4740 | TJ6 protein (RefSeq aa 8e-56) | NP_036595.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4741 | 180 kDa transmembrane PLA2 receptor | U17033.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4742 | adult T-cell leukemia derived factor | E01915 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4743 | BAG-family molecular chaperone regulator-3 | AF095193 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4744 | BAG-family molecular chaperone regulator-5 (=AF | AF095195.2 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4745 | beta-defensin-1.2 | U50931 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4746 | breast epithelial antigen BA46 | U58516 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4747 | BTK-binding protein mRNA, complete cds | AF235049.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4748 | cellular repressor of E1A-stimulated genes (CRE | NM_003851.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4749 | centromere autoantigen C (CENPC) | M95724 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4750 | colon cancer antigen NY-CO-45 mRNA, partial c | AF039442.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4751 | DARC | X85785.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4752 | defensin, alpha 3, neutrophil-specific (DEFA3) (= | NM_005217.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4753 | heat shock 105kD (HSP105B) | NM_006644.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |

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|------|--|----------------|---|-------|---|-------|---|-------|---|-------|---|
| 4754 | HEAT SHOCK COGNATE 71 KD PROTEIN | spP11142 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4755 | heat shock factor 2 (HSF2) | M65217 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4756 | heat shock protein (=AF085359.1 HSPC030) | AF170920 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4757 | heat shock protein (HSP21) mRNA, chloroplast | U66300.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4758 | Heat shock protein 70 testis variant (=M59829 M D85730 | | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4759 | heat shock protein apg-2 | AB023420.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4760 | heat shock protein hsp40 =U41290 DNAJ homolog | U40992 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4761 | HEAT SHOCK PROTEIN, MITOCHONDRIAL 1C | spQ04984 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4762 | heat shock protein= HSPA2= L26336= U10284 | U56725 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4763 | hepatocellular carcinoma-associated antigen 56 | AF262403.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4764 | hepatocellular carcinoma-associated antigen 64 | Hs.314977 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4765 | HSP105 alpha (=AF039695.1 antigen NY-CO-2 | AB003334.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4766 | HSP27 | AB020027.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4767 | mixed lineage kinase (MLK-3) (=U07747 sprk) | L32976 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4768 | MSJ-1 | AB014888 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4769 | NA14 protein | Z96932 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4770 | novel T-cell activation protein | X94232.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4771 | p38gamma MAP Kinase (=Y10487 stress activa | U66243 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4772 | platelet-endothelial tetraspan antigen 3 | U14650.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4773 | PML-1 | M79462.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4774 | polymyositis/scleroderma autoantigen 1(75kD) (I | NP_005024.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4775 | pre-B cell stimulating factor homologue (SDF1b) | L36033.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4776 | PX19 protein | AF112203.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4777 | renal cell carcinoma associated antigen G250 | AJ010588.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4778 | rheumatoid arthritis related antigen RA-A47 | AB044781.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4779 | stannin (=DKFZp761P2414) | AF070673.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4780 | Ste-20 related kinase (RefSeq aa 2e-41) | NP_037365.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4781 | Ste20-like kinase | X99325 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4782 | stress 70 protein chaperone, microsome-associ | NM_006948.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4783 | stromal antigen 3 (STAG3) | NM_012447.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4784 | sulfotransferase 1C2 (SULT1C2) gene, complete | AF186263.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4785 | TP53 target gene (TP53TG1) | NM_007233.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4786 | WP34 (phosphorylated lymphocyte differentiation | X55188 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4787 | ATPase inhibitor precursor | NP_057395.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4788 | BAI-associated protein 3 (=AB018277 hypothetic | AB017111 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4789 | beta-site APP-cleaving enzyme (RefSeq aa 5e-8 | NP_036236.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4790 | interferon induced transmembrane protein 3 (1-8 | NM_021034.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4791 | INTERFERON-INDUCED TRANSMEMBRANE | spQ01628 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4792 | MEMBRANE PROTEIN C21ORF4 17.9 KD | P56557 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4793 | trans-Golgi p230 | U41740 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4794 | Adaptor protein containing pH domain, PTB dom | NM_012096.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4795 | adaptor-related protein complex 1, gamma 2 su | NM_003917.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4796 | apoferritin H (=M11146) | X03488 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4797 | BIOTIN CARBOXYL CARRIER PROTEIN OF M | P02904 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4798 | cationic amino acid transporter-2A (ATRC2) | U76368 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4799 | coatamer protein complex, subunit beta (COPB) | NM_016451.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4800 | coatamer protein complex, subunit epsilon (COF | NM_007263.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4801 | coatamer protein complex, subunit gamma 2 (R | NP_036265.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4802 | constitutively expressed serum amyloid A protei | L05920.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4803 | COP22 for nonclathrin coat protein zeta-COP (L | NM_016429.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4804 | corin (RefSeq aa 7e-45) | NP_006578.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4805 | DUTT1 (chromosome 3) | Z95705.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4806 | EGF repeat transmembrane protein | U57368 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4807 | ENIGMA protein | AF265209.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4808 | epithelial membrane protein 2 (EMP2) | NM_001424.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4809 | erythrocyte adducin alpha subunit | X58141 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4810 | ferroportin 1; iron regulated gene 1 (FPN1)(= | SL_NM_014585.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4811 | golgi membrane protein GP73(LOC51280) | NM_016548.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |

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|------|---|---|-------|---|-------|---|-------|---|-------|---|
| 4812 | Golgi membrane protein type II (RefSeq aa 4e-3 NP_055131.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4813 | Ke4 gene, mouse, human homolog of (D6S2244 NM_006979.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4814 | LIM domain kinase 2 (LIMK2) NM_005569.2 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4815 | lysosomal apyrase-like 1 (LYSAL1) XM_040572.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4816 | membrane interacting protein of RGS16 (MIR16) NM_016641.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4817 | membrane metallo-endopeptidase (neutral endo NM_000902.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4818 | mouse SKD1 homolog (SKD1) NM_004869.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4819 | multispanning nuclear envelope membrane prote AF143676.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4820 | myoglobin (MB), mRNA NM_005368.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4821 | myo-inositol monophosphatase A3 (IMPA3) AY032885.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4822 | N-ethylmaleimide-sensitive factor (NSF) AF135168.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4823 | neuronal membrane glycoprotein M6b U45955 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4824 | PEX13 AB022192.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4825 | phosphate carrier precursor isoform 1a;phospha NP_005879.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4826 | placental protein 17b1 (PP17)(=cargo selection j AF055574.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4827 | progesterone induced protein (DD5), mRNA /cds=(3: Hs.278428 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4828 | putative membrane protein, complete cds AB020980.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4829 | putative heme-binding protein (SOUL) NM_014320.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4830 | putative integral membrane transporter (LC27) NM_018407.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4831 | putative transmembrane receptor (frizzled 4) U43317 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4832 | secretory granule neuroendocrine protein 1 (7B2 NM_003020.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4833 | seven transmembrane segment receptor M99293 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4834 | supervillin (SVIL) XM_030476.2 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4835 | tetraspan 3; Tspan-3 (RefSeq aa 8e-51) NP_005715.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4836 | tetraspan NET-1 AF065388.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4837 | tetraspan NET-6 protein(NET-6), mRNA NM_014399.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4838 | tetraspanin TM4-D AF133426.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4839 | translocase of inner mitochondrial membrane 10 NM_012456.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4840 | translocase of inner mitochondrial membrane 8 (XM_041384.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4841 | transmembrane 4 superfamily protein (SAS) (OF U01160 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4842 | transmembrane 7 superfamily member 1 (upregi gi4507544 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4843 | transmembrane GTPase U95822.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4844 | transmembrane protein 4 (TMEM4), mRNA /cds= Hs.8752 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4845 | transmembrane protein CD99 type II U82164 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4846 | transmembrane protein with EGF-like and two fo U19878 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4847 | transmembrane proteolipid (HSPC224) NM_016951.2 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4848 | transmembrane trafficking protein (TMP21), mRI Hs.74137 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4849 | VAMP (vesicle-associated membrane protein)-a: NM_004738.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4850 | mutL (E. coli) homolog 3 (MLH3) NM_014381.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4851 | mutY homolog (hMYH) U63329 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4852 | alanyl-tRNA synthetase (AARS) NM_001605.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4853 | damage-specific DNA binding protein 2 (48kD) (INM_000107.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4854 | DNA recombination and repair protein (MRE11B AF022778 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4855 | DNA repair protein XRCC4 U40622 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4856 | DNA topoisomerase gene type I, exon 8 M60694.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4857 | DNA topoisomerase II binding protein AB019397 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4858 | excision repair gene ERCC-1 X07415 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4859 | Helicase (KIAA0054) NM_014877.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4860 | HHR23A protein D21235 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4861 | KIAA0054 gene product; Helicase (RefSeq aa 1 NP_055692.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4862 | nucleolar RNA-helicase (noH61 gene) AJ131712.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4863 | putative RNA helicase, 3' end AJ223948.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4864 | RAD50 (S. cerevisiae) homolog (RefSeq aa 2e-2 NP_005723.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4865 | RAD50-2 protein (RAD50) AF057299.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4866 | Rad51-interacting protein (60% aa) AF006259 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4867 | RAD9 (S. pombe)(RAD9)(=cell cycle checkpoint NM_004584.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4868 | SWI/SNF related, matrix associated, actin deper NM_003078.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4869 | SWI/SNF related, matrix associated, actin deper NM_003079.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |

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|------|--|-------------|---|-------|---|-------|---|-------|---|-------|---|
| 4870 | T-COMPLEX PROTEIN 1, EPSILON SUBUNIT | spP48643 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4871 | T-COMPLEX PROTEIN 1, THETA SUBUNIT | (T)spP50990 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4872 | transketolase-like 1 (TKTL1) | NM_012253.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4873 | xeroderma pigmentosum complementation group | NM_000380.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4874 | adenylate kinase 2 (AK2), transcript variant AK2 | NM_001625.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4875 | carbonic anhydrase III | M29452 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4876 | carbonic anhydrase XII (CA12) | NM_001218.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4877 | ceruloplasmin, exon 10 (ORF) | D45037 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4878 | coagulation factor VIII | AF062515 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4879 | complement C1q A chain precursor | AF135157.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4880 | complement component 2 (RefSeq aa 7e-80) | NP_000054.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4881 | complement component 3 precursor (RefSeq aa | NP_000055.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4882 | complement component 3a receptor 1 (RefSeq | NP_004045.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4883 | complement decay-accelerating factor (DAF) (= | M15799 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4884 | cytochrome P450 21-hydroxylase (CYP21) gene | AF077974.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4885 | cytochrome P450 3A9 | U46118 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4886 | cytochrome P450 monooxygenase (LOC57404) | NM_020674.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4887 | cytochrome P450, subfamily IVA, polypeptide 11 | NP_000769.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4888 | epoxide hydrolase 2, cytoplasmic (EPHX2) | NM_001979.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4889 | glutathione S-transferase A4 (GSTA4) | NM_001512.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4890 | glutathione S-transferase theta 2 (GSTT2) (GST | AF240786.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4891 | glutathione S-transferase= (MICROSOMAL GST | J03746.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4892 | glutathione synthetase | U34683 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4893 | glutathione transferase M2 (GSTM2) | M63509 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4894 | gpx1 glutathione peroxidase (=Y00433) | X13709 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4895 | iron-responsive element-binding protein/iron reg | M58510 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4896 | lactoferrin BTLF3 | L24753 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4897 | light chain of factor I | CAA68418.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4898 | metallothionein 2A; MT-II (RefSeq aa 8e-30) | NP_005944.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4899 | MHC class II DR subtype Dw12 | M16086.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4900 | MHC class II HLA-DR7-associated glycoprotein | M16941.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4901 | MHC class II HLA-DR-beta-1 (HLA-DRB1) | M33600 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4902 | MHC HLA-Dw12 DQ-beta chain | M57650.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4903 | MHC leukocyte antigen (HLA-A) gene, HLA-A*2 | L47206.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4904 | MTA1 like1 | AB016591.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4905 | MTG8-like protein(MTGR1) gene | AF076461.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4906 | MTH1b (p22), MTH1c (p21), MTH1d (p18) | AB025239.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4907 | pentaxin-related gene rapidly induced by IL-1 be | NM_002852.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4908 | peroxiredoxin 3; thioredoxin-dependent peroxide | NP_006784.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4909 | PHEX gene | Y10196.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4910 | prothrombin (F2) gene (Alu and KpnI repeats) | M17262.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4911 | small inducible cytokine subfamily A(Cys-Cys), r | NP_005614.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4912 | small inducible cytokine subfamily B (Cys-X-Cys | NM_004887.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4913 | Sop2p-like protein | Y08999 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4914 | Su (P) (=Z70310 C.elegans glutathione S-transf | AJ011320 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4915 | superoxide dismutase 1 soluble (amyotrophic lat | XM_047885.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4916 | superoxide dismutase 3, extracellular (SOD3) | NM_003102.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4917 | superoxide dismutase Mn (EC 1.15.1.1+D3527) | Y00472.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4918 | thiol-specific antioxidant | X82321 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4919 | thioredoxin reductase 1 (TXNRD1) | NM_003330.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4920 | Chediak-Higashi syndrome 1 (CHS1) | NM_000081.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4921 | Ankhn mRNA, | AB011370 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4922 | arfpapin 1 (HSU52521) | NM_014447.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4923 | intersectin short form | AF064243 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4924 | alpha endosulfine | AF157509.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4925 | caveolin 2 (CAV2) | NM_001233.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4926 | caveolin 3 (CAV3) | NM_001234.2 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4927 | caveolin-1/-2 locus, Contig1, D7S522, genes CA | AJ133269.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |

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|------|--|---|-------|---|-------|---|-------|---|-------|---|
| 4928 | clathrin assembly protein 50 (AP50) (=D63475 h U36188 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4929 | clathrin coat assembly protein E13406 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4930 | clathrin, light polypeptide (Lcb) (CLTB) NM_001834.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4931 | clathrin-associated protein X97074.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4932 | Hemansky-Pudlak syndrome (HPS) NM_000195.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4933 | kanadaplin AF035526 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4934 | myoM [Dictyostelium discoideum](38%ORF) AB017910 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4935 | partial SNAP-23 gene for synaptosome associat AJ278974.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4936 | Rab7 protein X89650 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4937 | SKD1 homologue AF038960 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4938 | SMCY (H-Y) U52191 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4939 | sympleskin; Huntingtin Interacting protein I (SPK) XM_017129.2 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4940 | synaptosome associated protein 23 kD isoform / AJ011915.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4941 | vesicle trafficking protein (SEC22C) (ORF) AF039568 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4942 | VPS28 protein (LOC51160)(ORF) NM_016208.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4943 | zinc/ iron regulated transporter-like (ZIRTL) (=pu NM_014437.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4944 | synaptosomal-associated protein 25kD (SNAP25) NM_056115.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4945 | 4F2 heavy chain AB018010.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4946 | 88-kDa Golgi protein (GM88) AF204231.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4947 | CG12935 gene product AAF58754.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4948 | CG13865 gene product [Drosophila melanogaster] AE003066 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4949 | CG13919 gene product AE003472 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4950 | CG14037 gene product AAF52201.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4951 | CG14903 gene product AAF55335.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4952 | CG17593 gene product [Drosophila melanogaster] AE003579 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4953 | CG2839 gene product AAF51469.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4954 | CG3358 gene product AAF57413.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4955 | CG3918 gene product [Drosophila melanogaster] AAF46166.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4956 | CG6949 gene product AE003739 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4957 | CG8605 gene product [Drosophila melanogaster] AE003559 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4958 | CG9469 gene product AAF57414.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4959 | CGI-03 protein (=AF106798 fas-associated factor AF132938.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4960 | CGI-06 protein (LOC51604), NM_015937.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4961 | CGI-10 protein (LOC51004), NM_015940.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4962 | CGI-12 protein (RefSeq aa 1e-68) NP_057026.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4963 | CGI-125 protein (RefSeq aa 1e-30) NP_057144.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4964 | CGI-128 protein (ORF) AF151886 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4965 | CGI-145 protein (RefSeq aa 2e-48) NP_057159.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4966 | CGI-17 protein AF132951.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4967 | CGI-18 protein (LOC51008) NM_015947.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4968 | CGI-26 protein (LOC51071) NM_015954.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4969 | CGI-27 protein AF132961.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4970 | CGI-35 protein (LOC51077) NM_015962.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4971 | CGI-47 protein (LOC51095)(ORF) NM_016000.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4972 | CGI-48 protein (LOC51096) NM_016001.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4973 | CGI-54 protein (60% aa) AF151812 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4974 | CGI-79 protein (RefSeq aa 2e-76) NP_057108.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4975 | CGI-80 protein AF151838.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4976 | CGI-85 protein (LOC51111) NM_016028.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4977 | CGI-87 protein (LOC51112) NM_016030.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4978 | cytoplasmic dynein intermediate chain 2C mRNA/ U39046.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4979 | cytoskeleton-associated protein 4 (CKAP4), mRI XM_006940.4 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4980 | diaphanous 1 (HDLA1) AF051782.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4981 | dynactin light chain (DCTN-22) NM_007234.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4982 | dynactin p62 subunit(LOC51164)(= putative tum NM_016221.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4983 | dynein light chain-A (LOC51143)(ORF) NM_016141.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4984 | dynein light intermediate chain 2 (LIC2) AF035812 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4985 | dynein, cytoplasmic, intermediate polypeptide 1 NP_004402.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |

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|------|---|-------------|---|-------|---|-------|---|-------|---|-------|---|
| 4986 | dynein, cytoplasmic, light intermediate polypeptide | BC010928.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4987 | flightless 1 (Drosophila) homolog (FLII), mRNA | NM_002018.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4988 | gamma-tubulin complex protein 2 (GCP2) | XM_057524.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4989 | golgi SNAP receptor complex member 1 (GOSR) | NM_004871.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4990 | golgi SNAP receptor complex member 2 (GOSR) | NM_004287.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4991 | Golgi transport complex protein (90 kDa) (GTC9) | NM_006348.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4992 | golgin-67 (GOLGA5) D1886 | AF164622.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4993 | kinectin 1 (156 kDa Protein) (=CG1) | CAA80271.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 4994 | kinesin heavy chain member 2 (KIF2) | NM_004520.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4995 | kinesin-like protein GAKIN | AF279865.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4996 | kinesin-like spindle protein HKSP (=X85137) | U37426 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4997 | kinesin-related protein, partial cds | D14678.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 4998 | MAP1B protein | AF115776.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 4999 | microtubule-associated proteins 1A/1B light chain | AF303888.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5000 | novel centrosomal protein RanBPM (RANBPM) | NM_005493.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5001 | spindle pole body protein spc97 homologue GCf | AF042379 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5002 | Sprague-Dawley acidic calponin | U06755 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5003 | TACC2 protein (TACC2) (=AF176646.1 anti zua) | AF095791.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5004 | CG2974 gene product (aa 2e-41,52%) | AAF46554.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5005 | CG6353 gene product (aa 3e-20,68%) | AAF55906.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5006 | CG8198 gene product | AAF48498.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5007 | CGI-01 protein (CGI-01), mRNA | NM_015935.2 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5008 | CGI-11 protein (RefSeq aa 2e-35) | NP_057025.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5009 | CGI-144 protein | AF151902.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5010 | CGI-55 protein | AF151813.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5011 | dJ797M17.1 (Dermatopontin) | CAB46693.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5012 | adlican | AF245505.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5013 | chondrocyte expressed protein 68 kDa (CEP-68) | AJ279016.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5014 | chondroitin 4-O-sulfotransferase 2 | AF239822 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5015 | chondroitin 6-sulfotransferase | AB017915 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5016 | collagen type III N-endopeptidase (PCOLN3), (= | NM_002768.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5017 | collagen type VI alpha 2 (COL6A2) | M81836.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5018 | collagenous repeat-containing sequence of 26kD | AAG33704.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5019 | dentin matrix acidic | NM_004407.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5020 | dystroglycan 1 | NM_004393.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5021 | EGF-containing fibulin-like extracellular matrix pi | NM_004105.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5022 | elastin gene, partial cds and partial 3'UTR | U77846.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5023 | EPSILON-COAT PROTEIN (EPSILON-COP; LD sp | AC005197 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5024 | extracellular protein (S1-5) | U03877 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5025 | fibrillarin (FBL) | NM_001436.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5026 | fibulin 1 (FBLN1) | XM_047231.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5027 | fibulin 2 (FBLN2) | NM_001998.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5028 | fibulin-4 | AJ132819 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5029 | germ line gene homologous to bladder carcinoma | V00574.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5030 | glypican-5 (GPC5) (=AF001462) | U66033 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5031 | glypican-6 (GPC6) | AF105267.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5032 | Hakata antigen | D88587 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5033 | heparan-sulfate 6-sulfotransferase | AB006179 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5034 | hepatic leukemia factor (HLF) | M95585 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5035 | interphotoreceptor matrix proteoglycan 200 (SP) | NM_016247.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5036 | lamin-like protein (low match) | M24732 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5037 | linker for activation of T cells (LAT) | AF036906.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5038 | LST1 mRNA, cLST1/E splice variant, complete c | AF000426.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5039 | matrilin 4 (RefSeq aa 5e-44) | NP_003824.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5040 | miCROfibril-associated glycoprotein 4 (MFAP4) | L38486 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5041 | miCROfibril-associated glycoprotein-2 MAGP-2 | U37283.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5042 | microfibrillar-associated protein 2 (MFAP2) | NM_002403.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5043 | mucin MUC1 (=M61170) | X69118 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |

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|------|--|-------------|---|-------|---|-------|---|-------|---|-------|---|
| 5044 | nidogen (=M27445;M30269) (low match) | X84837 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5045 | period (per) region proteoglycan gene | M13655 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5046 | PG-M core protein | D45889.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5047 | phosphatidylinositol glycan, class H (PIGH) | L19783 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5048 | phosphatidylinositol glycan, class K (PIGK)(= AF XM_039644.2 | | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5049 | pRGR1 | AF041429.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5050 | psihHbc pseudogene for hair keratin | Y19215.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5051 | sarcolemmal associated protein (SLAP1) mRNA | U21155.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5052 | sarcolipin (SLN) | NM_003063.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5053 | sarcosin | AF056929 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5054 | sarcospan (Kras) | NM_005086.2 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5055 | sarcospan (Sspn), mRNA | NM_010656.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5056 | serglycin gene | M90058.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5057 | SHORT-CHAIN COLLAGEN C4 | P18503 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5058 | tenascin XA (TNXA) | NM_007116.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5059 | Z-crystallin/quinone reductase (CRYZ) gene seq | L31526.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5060 | Hem-2 | X80029.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5061 | LAZ3/BCL6 gene | Z79581.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5062 | MLL (MLL) gene, exons 1-3, similar to MARINEF | AF036405 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5063 | 22kDa smooth muscle protein (SM22) | M95787 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5064 | actin binding protein (Schizosaccharomyces pon | NM_006409.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5065 | actin related protein 2/3 complex, subunit 1B (41 | NM_005720.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5066 | actin-binding protein 22 kDa (SM22) gene | AF013711.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5067 | actin-binding protein homolog ABP-278 | AF043045.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5068 | actinin-associated LIM protein | AF039018 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5069 | actin-like 6 (ACTL6)=AF041474 =BAF53a (BAF | NM_004301.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5070 | ACTN2 gene for alpha-Actinin 2, exon 21 | AJ249776.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5071 | A-kinase anchoring protein 220 (=AB014529 KIA | AF176555.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5072 | alpha 1-syntrophin (SNT A1) | U40571 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5073 | alpha II spectrin (=J05243;X86901) | U83867 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5074 | alpha-adducin | L29294 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5075 | alpha-tropomyosin | AJ001055.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5076 | alpha-tubulin | K00557.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5077 | ankyrin 1 (ANK1) (=M28880) | AF005213 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5078 | ankyrin alt. variant 2.2 (53%,aa) | X16609 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5079 | ankyrin binding glycoprotein-1 related mRNA sex | L11002 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5080 | ankyrin-repeat containing protein (Krit1) gene | U90269.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5081 | A-raf-1 oncogene | X04790.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5082 | archvillin (SVIL) | AF109135.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5083 | beta tubulin (clone nuk_278) | X79535 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5084 | beta-filamin | AF042166 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5085 | beta-tubulin | AF141349.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5086 | capping protein alpha mRNA, partial cds /cds=U | Hs.75546 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5087 | capping protein beta-subunit isoform 1 | U10406 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5088 | CDC42-binding protein kinase beta (DMPK-like) | NM_006035.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5089 | cofilin, non-muscle type (=U21909) | X95404 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5090 | cytohesin 1, isoform 2 (RefSeq aa 3e-30) | NP_059430.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5091 | cytokeratin 8 | U76549.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5092 | desmosome associated protein pinin | U77716 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5093 | destrin-2 (=actin depolymerizing factor) | U72518 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5094 | drebrin E | D17530.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5095 | dynammin | L07807 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5096 | dystrobrein B DTN-B1 | Y15722 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5097 | GLUT1 C-terminal binding protein (GLUT1CBP) | NM_005716.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5098 | hCRNN4 | AB030656.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5099 | kelch (Drosophila)-like 3(=kelch-like protein | NM_017415.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5100 | keratin type II (58 kD) | M21389.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5101 | NuMA protein (=Z11584;Z14229;Z14227) | Z11583 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |

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|------|--|------------|---|-------|---|-------|---|-------|---|-------|---|
| 5102 | partial TTN gene for titin | AJ277892.2 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5103 | phosphatase/casein kinase type II beta subunit (EC X16937.1 | | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5104 | regulatory factor X-associated ankyrin-containing NM_003721.1 | | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5105 | scinderin (SCIN), mRNA /cds=(276,1682) /gb=N Hs.210473 | | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5106 | singed (Drosophila)-like(sea urchin fascin homol NM_003088.1 | | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5107 | skeletal muscle alpha-actin gene (ACTA1) AF182035.1 | | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5108 | skeletal muscle HSB84A051 STRATAGENE cDI Z28721.1 | | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5109 | skeletal muscle selenoprotein W (SelW) U25264 | | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5110 | smoothelin AC005005 | | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5111 | spectrin, alpha,non-erythrocytic 1 (alpha-fodrin) (NM_003127.1 | | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5112 | spectrin, beta, non-erythrocytic 1 (SPTBN1)(ORI NM_003128.1 | | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5113 | stretch regulated skeletal CAC03620.1 | | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5114 | striated muscle contraction regulatory protein (Id M96843.1 | | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5115 | TANKYRASE (RefSeq aa 9e-90) NP_003738.1 | | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5116 | telethonin AJ000491 | | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5117 | testican-1 AF231124 | | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5118 | TRICHOHYALIN spP37709 | | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5119 | tubulin alpha 6 (TUBA6) XM_028724.2 | | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5120 | tubulin, alpha, ubiquitous (K-ALPHA-1) NM_006082.1 | | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5121 | tubulin, beta, 2 (TUBB2) (ORF) NM_006088.1 | | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5122 | tubulin, beta, 4 (TUBB4) NM_006086.1 | | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5123 | tubulin-specific chaperone d (TBCD)= AJ006417 NM_005993.2 | | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5124 | uroporphyrinogen decarboxylase (UROD) AF047383 | | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5125 | vasodilator-stimulated phosphoprotein (VASP) NM_003370.1 | | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5126 | zyxin (ZYG) (=ESP-2) NM_003461.1 | | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5127 | actin binding protein; macrophin(microfilament a NP_036222.1 | | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5128 | alpha actinin 4 (Actn4) NM_021895.1 | | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5129 | alpha tropomyosin (tpma) AF180892.1 | | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5130 | aortic-type smooth muscle alpha-actin (SM-alpha: M33216.1 | | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5131 | fast skeletal troponin C X07898 | | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5132 | myosin alkali light chain (ventricular) M24122 | | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5133 | myosin binding protein H L05606 | | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5134 | myosin IC (MYO1C) NM_004998.1 | | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5135 | myosin, light polypeptide 6, alkali, smooth muscle XM_049089.1 | | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5136 | myosin, light polypeptide kinase (RefSeq aa 2e- NP_005956.1 | | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5137 | myosin-Ixb U42391 | | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5138 | myotubular myopathy 1(MTM1) NM_000252.1 | | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5139 | regulatory myosin light chain (MYL5) L03785 | | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5140 | slow skeletal muscle troponin T (clone H22h) M19309 | | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5141 | slow-twitch skeletal troponin I (TNN1) J04760 | | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5142 | SMAP-5 smooth muscle cell associated protein AB014733 | | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5143 | SMC-like protein AJ005015.1 | | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5144 | smooth muscle myosin light chain kinase M76233.1 | | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5145 | troponin I, skeletal, fast 2 (Tnni2), mRNA NM_009405.1 | | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5146 | adapt78 protein gene= U85266 U53821.1 | | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5147 | colon cancer-associated protein Mic1 NM_013326.1 | | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5148 | CRIB-containing BORG2 protein (BORG2) AF164118.1 | | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5149 | laforin (EPM2A) AF084535.2 | | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5150 | neurologin 3 AF217413.1 | | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5151 | peroxisomal membrane protein 20 AF124993.1 | | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5152 | peroxisomal membrane protein 3 (35kD, Zellweg NM_000318.1 | | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5153 | peroxisomal targeting signal 1 (SKL type) recept Z48054.1 | | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5154 | peroxisome assembly factor-2 (PEX6) gene AF108098.1 | | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5155 | phosphatidylinositol glycan, class C (PIGC) gi4505794 | | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5156 | PIG-A protein D11466 | | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5157 | tight junction protein 1 (zona occludens 1) (TJP1 NM_003257.1 | | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5158 | tight junction protein ZO-2 (TJP2) AF177533.1 | | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5159 | 78 kDa gastrin-binding protein U04627.1 | | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |

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|---|-------------|---|-------|---|-------|---|-------|---|-------|---|
| 5160 AP-3 complex sigma3A subunit | U91932.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5161 ARE1-like protein | AJ006026.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5162 ASIALOGLYCOPROTEIN RECEPTOR 2 (HEPA P24721 | | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5163 ESR (EST84588 Colon adenocarcinoma IV cDN AA372592.1 | | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5164 neuropilin-2 (a5) | AF022861 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5165 son of sevenless 1 | Z11574 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5166 toll-like receptor3 (RefSeq aa 3e-41) | NP_003256.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5167 trg (=AB028981 KIAA1058) | X68101 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5168 UCC1 protein (UCC1 gene) | AJ250475.2 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5169 5-HT4 receptor gene | AJ243213.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5170 alpha 7 neuronal nicotinic receptor | AF029838 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5171 alpha-CP1 (=X78137 hnRNP-E1) | U24223 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5172 alpha-globin transcription factor CP2 | M84810.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5173 autocrine motility factor receptor (AMFR) | NM_001144.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5174 beta-hydroxysteroid dehydrogenase 11 (HSD11) | M76661 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5175 bradykinin receptor B2 (BDKRB2) | NM_000623.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5176 breast cancer nuclear receptor-binding auxiliary | AF126008.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5177 calcitonin receptor-like receptor activity modifying | NM_005854.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5178 CD163 antigen (CD163) (=M130 antigen (cytoso | NM_004244.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5179 CD33 differentiation antigen (CD33) | M23197 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5180 CD34 | M81104 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5181 CD39L2 (CD39L2) | AF039916 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5182 CD3G antigen, gamma polypeptide (TIT3 compl | X04145 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5183 CD58 | Y14785 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5184 CDA11 protein (CDA11), mRNA /cgs=(25,918) /t | Hs.11810 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5185 CHRM3 gene for muscarinic acetylcholine recep | AB041395.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5186 class I cytokine receptor (zcytor5) | AF178684.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5187 colony stimulating factor 1 receptor (CSF1R) ger | M33210.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5188 CSF-1 receptor (FMS) gene (=KIAA0194) | U63963.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5189 CSF2RA=GM-CSF receptor alpha subunit | S48475.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5190 endothelial protein C receptor | AB026584.2 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5191 endothelin receptor type A (EDNRA) | NM_001957.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5192 endothelin receptor type B-like protein | U87460.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5193 epidermal growth factor repeat containing protei | AF186084 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5194 Epstein-Barr virus induced gene 2(lymphocyte-s | NP_004942.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5195 estrogen receptor gene, 5' partial (422 bp) | AJ002562.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5196 estrogen receptor-binding fragment-associated g | NP_004206.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5197 estrogen related receptor alpha (ESTRA) pseu | U85258.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5198 estrogen-related receptor gamma (ESRRG) | NM_001438.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5199 Ewing sarcoma breakpoint region 1 (EWSR1), tr | NM_005243.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5200 fibroblast growth factor receptor 2 (bacteria-expr | NM_000141.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5201 fibroblast growth factor receptor 3 (achondroplas | XM_044120.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5202 fibroblast growth factor receptor(N-sam) | X66945 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5203 FYN-binding protein (FYB-120/130) (RefSeq aa | NP_001456.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5204 G protein-coupled receptor 30 (GPR30) | NM_001505.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5205 G protein-coupled receptor 48 (GPR48) | NM_018490.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5206 G protein-coupled receptor Edg-2 | Y09479 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5207 G protein-coupled receptor kinase 5 (GPRK5) | NM_005308.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5208 GABAA receptor subunit alpha4 | U30461 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5209 gene for vitamin D receptor, exon 9 (=1,25-dihy | AB002168.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5210 genes for vasopressin, oxytocin and a long inter | X59496.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5211 gephyrin (GPH) | NM_020806.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5212 G-protein coupled receptor (SH120) | gi7706703 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5213 G-protein-coupled receptor 48 (GPR48) | AF257182.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5214 growth factor receptor bound protein 2 (Grb2) | NM_008163.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5215 growth hormone receptor (contains Alu repeat) | X06562 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5216 H1 histamine receptor | Z34897.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5217 Hin-2 (=U40396 steroid receptor coactivator SR | U19179 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |

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|---|--------------|---|-------|---|-------|---|-------|---|-------|---|
| 5218 histamine H1-receptor | D14436.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5219 IL-1 receptor antagonist IL-1Ra (IL-1RN) | U65590 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5220 IL-13 receptor | Y08768 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5221 interferon alpha/beta receptor (IFNAR) gene, exc | U06244 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5222 interferon, gamma-inducible protein 16 (IFI16) | NM_005531.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5223 interferon, gamma-inducible protein 30 (IFI30)(OI | NM_006332.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5224 interleukin-1 receptor-associated kinase 1 (IRAK | Hs.182018 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5225 interleukin-11 receptor | Z38102 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5226 interleukin-18 binding protein c precursor (IL18B | AF110801.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5227 laminin receptor precursor/p40 ribosome associ | U43901.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5228 leukemia inhibitory factor receptor (LIFR) | NM_002310.2 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5229 lymphatic vessel endothelial hyaluronan recepto | NM_006691.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5230 M2-type pyruvate kinase | M23725 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5231 m3 muscarinic acetylcholine receptor (CHRM3) ; | U29589.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5232 metabotropic glutamate receptor 6 (mGluR6) ge | U82083.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5233 mineralocorticoid receptor (=hMR) (low match) | M80582 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5234 natriuretic peptide precursor B (NPPB) | NM_002521.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5235 neurotrophic tyrosine kinase, receptor, type 2 (N | NM_006180.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5236 NK receptor Ly-49L gene | AF126036.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5237 NKG2D gene | AJ001689.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5238 novel retinal pigment epithelial cell protein (NOR | AF155135.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5239 NRBF-2 nuclear receptor binding factor-2 | AB024930.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5240 nuclear receptor binding protein (NRBP) | NM_013392.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5241 nuclear receptor interacting protein 1 (NRIP1) | gi4505454 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5242 nuclear receptor Rev-ErbA-beta | U20796.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5243 nuclear receptor subfamily 1, group I, member 3 | NM_005122.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5244 olfactory receptor (OR2D2) gene, partial cds | AF065876.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5245 olfactory receptor (OR7-86) pseudogene | U8628 U86282 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5246 olfactory receptor 17-93 (OR17-93) and olfactory | U76377 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5247 oncostatin M receptor (OSMR) | NM_003999.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5248 osteoprotegerin ligand | AF053712 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5249 outer membrane receptor Tom20 (TOM20) gene | AF126962.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5250 oxytocin receptor | X64878 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5251 oxytocinase splice variant 1 | U62768 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5252 P2X7 | Y12853 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5253 p50B/p97 (Lyt-10) transCRiption factor | D16367 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5254 PAR protein (PAR) | NM_012389.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5255 peroxisome proliferative activated receptor delta | AF246296S8 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5256 peroxisome proliferative activated receptor, gam | NM_013261.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5257 peroxisome receptor 1 (PXR1) | NM_000319.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5258 PEST-containing nuclear protein (pcnp) | NM_020357.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5259 photolyase, complete cds | D83702.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5260 pilin-like transCRiption factor | AF122004.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5261 PNR gene | AJ276674.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5262 pro-oncosis receptor inducing membrane injury ; | Hs.172089 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5263 prostaglandin E2 receptor EP4 | AF177934 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5264 putative G-protein coupled receptor RA1c | AAD12761.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5265 receptor (calcitonin) activity modifying protein 3 (| NM_005856.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5266 receptor of retinoic acid (=M73779 PML-RAR prt | X06614 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5267 receptor tyrosine kinase-like orphan receptor 2 (I | Hs.155585 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5268 receptor tyrosine phosphatase gamma (PTPRG) | U46116.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5269 receptor-associated protein of the synapse, 43kI | XM_037181.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5270 regulator of G protein signaling (RGS5) | AF030108 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5271 Rel domain-containing transCRiption factor NFA | AF162853.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5272 RETINOIC ACID- AND INTERFERON-INDUCIB | spQ13325 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5273 retinoic acid receptor gamma (RARG) | NM_000966.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5274 retinoic acid receptor responder (tazarotene ind | NM_002888.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5275 retinoic acid receptor, beta (RARB) =Y00291 haj | NM_000965.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |

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|------|--|-------------|---|-------|---|-------|---|-------|---|-------|---|
| 5276 | retinoic acid-induced protein (RAI2) | AF136587.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5277 | retinoid x receptor interacting protein (LOC5172) | NM_016290.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5278 | retinoid X receptor, alpha (RXRA) | NM_002957.2 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5279 | retinoid X receptor, gamma (RXRG) | NM_006917.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5280 | RS21-C6 (Tdrig-TL1) | AF110764.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5281 | scg | D67015.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5282 | Sck, partial | AB001451 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5283 | secreted modular calcium-binding protein 2 (smc) | AJ249902.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5284 | sigma receptor (SR31747 binding protein 1) (SR) | NM_005866.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5285 | steroid receptor (TR2-11) | M29960 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5286 | steroid receptor RNA activator | AF092038.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5287 | T41p (C8orf1) | AF061326.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5288 | TAFII20 transcription factor TFIID(=TFIID subun | X84002.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5289 | transmembrane receptor protein | Z17227.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5290 | transportin-SR (TRN-SR) | AF145029.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5291 | TRHR gene promoter (low match) | AJ011701 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5292 | V beta T-cell receptor (TCRBV) (low match) | U03115 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5293 | vanilloid receptor-like protein (VRL) | NM_016113.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5294 | vasoactive intestinal peptide receptor 1 (VIPR1) | NM_004624.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5295 | very low density lipoprotein receptor | D16532 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5296 | v-Ki-ras2 Kirsten rat sarcoma 2 viral oncogene h | NM_004985.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5297 | v-kit Hardy-Zuckerman 4 feline sarcoma viral on | NM_000222.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5298 | benzodiazapine receptor (peripheral) (BZRP) | XM_040167.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5299 | 14-3-3 epsilon | U54778 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5300 | 14-3-3 protein beta subtype=putative protein kin | S55223 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5301 | 14-3-3 protein eta chain | D78577.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5302 | 14-3-3 protein gamma subtype=putative protein | S55305 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5303 | 14-3-3n protein (=D78577) | L20422 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5304 | 40 kDa protein kinase related to rat ERK2 | Z11695 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5305 | BIFUNCTIONAL 3'-PHOSPHOADENOSINE 5'-F | spO43252 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5306 | calcineurin B | M30773.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5307 | cAMP-dependent protein kinase regulatory subu | M65066 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5308 | CDC-like kinase 3 (CLK3) transcript variant phcII | NM_003992.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5309 | DCHT (=AF030403 Ste20-like protein kinase) | AF017635 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5310 | ILK-1 gene for integrin-linked kinase 1, exons 1- | AJ404847.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5311 | JAB1-containing signalosome subunit 3 (SGN3) | AF031647 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5312 | JNK2 beta2 protein kinase (JNK2B2) (ORF) | U35003.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5313 | MAP kinase-interacting serine/threonine kinase | NM_003684.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5314 | mitogen-activated protein kinase 5 (MAP4K5) | NM_006575.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5315 | mitogen-activated protein kinase 8 (MAPK8)(= ki | NM_002750.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5316 | mitogen-activated protein kinase phosphatase x | NM_020185.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5317 | mitogen-activated protein kinase-activated protein | NP_003659.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5318 | mitotic spindle coiled-coil related protein (DEEP | NM_006461.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5319 | pim-1 oncogene | M16750 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5320 | PKU-alpha | AB004884 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5321 | PKY protein kinase | AF004849.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5322 | plk-1 (=U01038) | X73458 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5323 | protein kinase C delta-type | D10495.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5324 | protein kinase C zeta | Z15108 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5325 | protein kinase C, alpha (RefSeq aa 3e-31) | NP_002728.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5326 | protein kinase C, nu (PRKN) | NM_005813.2 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5327 | protein kinase CDK9(CDK9) gene | AF255306 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5328 | protein kinase Chk2 (RAD53) | NM_007194.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5329 | protein kinase C-theta (PRKCT) | L01087.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5330 | protein kinase Dyrk2 | Y13493 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5331 | protein kinase inhibitor p58 | U28424 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5332 | protein kinase inhibitor(testicular isoform) (ORF) | L02241 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5333 | PROTEIN MOV-10 | spP23249 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |

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| 5334 | PROTEIN N-TERMINAL ASPARAGINE AMIDOL spQ64311 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5335 | PROTEIN OS-9 PRECURSOR (non-exact 48%) spQ13438 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5336 | protein tyrosine kinase t-Ror1 (Ror1) (=AF05952 U38894 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5337 | rac protein kinase beta M77198.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5338 | Ser/Thr protein phosphatase type 2C beta 2 iso AF294792.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5339 | serine racemase AF169974.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5340 | serine/threonine protein kinase (HSA250839) NM_018401.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5341 | serum inducible kinase (SNK) M96163 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5342 | serum/glucocorticoid regulated kinase-like gi7019527 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5343 | SFRS protein kinase 1 (SRPK1) NM_003137.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5344 | SFRS protein kinase 2 (SRPK2) NM_003138.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5345 | T2K protein kinase homologue AF145705.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5346 | tyrosine 3-monooxygenase/tryptophan 5-monoo: NM_006761.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5347 | tyrosine 3-monooxygenase/tryptophan 5-monoo: NM_003406.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5348 | tyrosyl-tRNA synthetase U89436 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5349 | VRK2 AB000450 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5350 | cGMP phosphodiesterase delta subunit AF022912 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5351 | cGMP-binding cGMP-specific phosphodiesterase AB001633.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5352 | cyclic AMP-regulated phosphoprotein (90% matr AF112220.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5353 | CYCLIC-AMP-DEPENDENT TRANSCRIPTION spP18848 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5354 | Golgi membrane sialoglycoprotein MG160 (GLG U64791.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5355 | breakpoint cluster region protein 2 (BCRG2) AF044774 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5356 | cAMP-regulated guanine nucleotide exchange fa NM_007023.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5357 | dishevelled 2 (homologous to Drosophila dsh) (E NM_004422.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5358 | formin (Fmn) NM_010230.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5359 | formin-binding protein 17 (FBP17) AF265550.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5360 | GDP dissociation inhibitor 1 (GDI1) NM_001493.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5361 | GRB2-associated binding protein 1 (GAB1) NM_002039.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5362 | GTPase Rab14 (LOC51730) (=DKFZp762K0911 NM_016322.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5363 | GTPase-activating protein GAP11 U20238 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5364 | GTP-binding protein similar to RAY/RAB1C (RA' NM_006860.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5365 | guanine nucleotide exchange factor delta subunit M98036 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5366 | guanine nucleotide exchange factor GRP1 (=A2:AJ005197 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5367 | guanine nucleotide regulatory protein (ABR) U01147 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5368 | guanine nucleotide regulatory protein (oncogene NM_005863.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5369 | Intracellular hyaluronan-binding protein AF241831.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5370 | mad protein homolog (hMAD-2) U68018 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5371 | MAD2 protein (=U31278) AJ000186 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5372 | Na/H exchanger 2 (A57644) (ORF) D87743 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5373 | Na/H exchanger regulatory factor 2 (NHERF-2) AF035771 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5374 | N-acetylneuraminate lyase (EC 4.1.3.3)(Non-ex: CAA27051.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5375 | non-receptor tyrosine kinase (TNK1) gene, com: AF097738 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5376 | partial RAB18 gene for RAS-related small GTPa AJ277148.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5377 | phosphoprotein p53 M22898 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5378 | Rab acceptor 1 (prenylated) (RABAC1) NM_006423.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5379 | RAB10 XM_002267 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5380 | RAB2, member RAS oncogene family (RAB2) (C NM_002865.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5381 | Rab27a (=AF154840.1 Ras-like GTP-binding pr: U38654.3 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5382 | RAB31, member RAS oncogene family (RAB31) NM_006868.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5383 | RAB39 (RAB39) AF322067 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5384 | RAB-8b protein (LOC51762), mRNA NM_016530.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5385 | rah=ras-related homologue S72304 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5386 | RalBP1 associated Eps domain containing prote NM_009048.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5387 | RalGDS-like 2 (RGL2) U68142 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5388 | RAN binding protein 3 (RANBP3), transcript vari: NM_007321.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5389 | RAN-SPECIFIC GTPASE-ACTIVATING PROTE spP43487 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5390 | Ras association (RalGDS/AF-6) domain family 2 NM_014737.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5391 | ras GTPase activating protein-like (NGAP) mRNA NM_004841.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |

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|---|---|-------|---|-------|---|-------|---|-------|---|
| 5392 ras GTPase-activating-like protein (IQGAP1) (=L33075 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5393 Ras homolog enriched in brain 2 (RHEB2) NM_005614.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5394 ras homolog gene family member A (ARHA)(= GNM_001664.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5395 RasGAP-related protein (IQGAP2) U51903.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5396 ras-like protein M31467 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5397 ras-like protein (low match, 57% aa) M31468 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5398 ras-related protein (rab18) L04966 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5399 RAS-RELATED PROTEIN RAH1(AS-RELATED spQ64008 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5400 RAS-RELATED PROTEIN RAP-1A (C21KG)(KF spP10113 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5401 rho GDP-dissociation Inhibitor 1 X69550 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5402 Rho GTPase activating protein 6 isoform5 (RefS NP_038266.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5403 Rho-associated, coiled-coil containing protein kii NM_004850.2 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5404 SH3 and PX domain-containing protein SH3PX1 NM_016224.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5405 SH3 domain-containing protein 6511 (LOC5116:NM_016223.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5406 SH3-containing adaptor molecule-1 AF037261.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5407 SH3-containing protein EEN (EEN) and chromatin AF190465.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5408 signal transducer and activator of transCRIPTION L29277 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5409 signal transducing adaptor molecule 2A (STAM:AF042273 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5410 signal-induced proliferation-associated gene 1 (NM_006747.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5411 small GTP-binding protein RAB1A AF226873.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5412 Testin 2 (testin 3) AF260225 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5413 T-lymphoma invasion and metastasis inducing T U16296 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5414 transducer of ERBB2, 1 (RefSeq aa 2e-64) NP_005740.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5415 transducer of ERBB2, 2(TOB2) NM_016272.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5416 transducin (beta) like 1 protein Y12781 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5417 A kinase (PRKA) anchor protein 1 (AKAP1) XM_008154.3 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5418 ANG2 (ANG2) AF024631.2 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5419 angiopoietin-like 2 (ANGPTL2) NM_012098.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5420 Aspergillus nidulans sudD homologue AF013591 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5421 BB1=malignant cell expression-enhanced gene gi1699264 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5422 bone-derived growth factor (BPGF-1) L42379.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5423 EXT-like protein 2 (EXTL2) AF000416.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5424 factor C=endotoxin-sensitive intracellular serine S77064 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5425 gliosarcoma-related antigen MIDA1 (MIDA1) AF118853.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5426 glycine amidinotransferase (L-arginine:glycine ar NM_001482.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5427 insulin-like growth factor binding protein 6 (IGFB M69054.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5428 interferon-related developmental regulator 1 NP_001541.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5429 MAGE-Xp (non-exact 60%) (=M80840 Mouse ne X82539 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5430 non-erythrocyte beta spectrin AF017112 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5431 NOV protein X96585 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5432 SKB1Hs AF015913 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5433 angiopoietin-like factor (CTD6) NM_021146.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5434 activin beta-C chain X82540 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5435 angiogenin ribonuclease RNase A family, 5 (ANt NM_001145.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5436 bone morphogenetic protein 4 precursor(RefSeq NP_001193.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5437 bone morphogenetic protein 7 (osteogenic protei NM_001719.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5438 bone morphogenetic protein1 (BMP1) (clone KT: L35279 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5439 CC-chemokine MCP-4 AJ001634.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5440 chemokine (C-X3-C) receptor 1 (CX3CR1) NM_001337.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5441 chemokine receptor X(CKRX) AF014958 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5442 chimaeric transCRIPT of collagen type 1 alpha 1 : Y15913 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5443 decidual protein induced by progesterone (DEPF NM_007021.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5444 developmental arteries and neural crest EGF-like AF112152.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5445 developmental protein DG1071 AAC67538.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5446 endocrine regulator (RefSeq aa 2e-88) NP_055160.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5447 enkephalin K00489 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5448 fibroblast growth factor 13 (FGF13) NM_004114.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5449 fibroblasts of periodontal ligament AB019409 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |

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|------|--|-------------|---|-------|---|-------|---|-------|---|-------|---|
| 5450 | glia maturation factor beta | M86492 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5451 | glia maturation factor homologous protein | AB001993.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5452 | gonadotropin-releasing hormone (=X01059) | X15215.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5453 | GRO3 oncogene (GRO3) | NM_002090.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5454 | growth factor-responsive protein, vascular smooth muscle | A53770 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5455 | growth hormone secretagogue precursor (GHRE) | AF296558.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5456 | growth inhibitor p33ING1 (ING1) | AF001954 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5457 | heparin cofactor II (HCF2) | M58600 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5458 | heparin-binding growth factor binding protein (no NP_005121.1) | | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5459 | insulin-like growth factor binding protein 5 | U02026 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5460 | insulin-like growth factor binding protein (IGFBP) | X16302 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5461 | interferon-induced leucine zipper protein (IFP35) | U72882.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5462 | keratinocyte, normal | U33270.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5463 | mast cell growth factor (Mgf) | U44725 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5464 | monocyte seCRetory protein, JE (=S69738) | M28226.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5465 | NB thymosin beta | D82345.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5466 | neuroendoCRine seCRetory protein 55 | AF105253.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5467 | placental growth factor vascular endothelial growth factor | XM_040405.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5468 | prepro insulin-like growth factor-I (IGF-I) gene, e | M59812.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5469 | preproadrenomedullin, complete cds (exon 1-4) | D43639.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5470 | schwannomin interacting protein 1 (SCHIP-1) | NM_014575.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5471 | seCRetory protein clone 1.1 (=D79993 KIAA017) | U00157 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5472 | thymocyte protein cThy28kD (=AF161493 HSPC) | U34350 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5473 | Transformation-related protein | AAA36776.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5474 | transformation-sensitive protein (IEF SSP 3521) | M86752 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5475 | transforming acidic coiled-coil containing protein | AF093543.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5476 | transforming growth factor, alpha (TGFA) | NM_003236.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5477 | transforming growth factor-beta type I receptor | AF035669 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5478 | TRANSFORMING PROTEIN P21/H-RAS-1 (C- to spP01112) | | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5479 | TRK-fused gene (NOTE: non-standard symbol a NM_006070.1) | | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5480 | uncharacterized bone marrow protein BM028 (=AF217505.1) | | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5481 | uncharacterized bone marrow protein BM029 (BINM_018450.1) | | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5482 | uncharacterized bone marrow protein BM031 | AF217508.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5483 | uncharacterized bone marrow protein BM033 | AF217510.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5484 | uncharacterized bone marrow protein BM044 | AF217520.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5485 | uncharacterized hypothalamus protein HT010 (F-NM_018471.1) | | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5486 | vascular endothelial growth factor C (RefSeq aa NP_005420.1) | | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5487 | vascular endothelial junction-associated molecule | AF255910.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5488 | vascular Rab-GAP/TBC-containing (VRP) | XM_010826.2 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5489 | WNT1 inducible signalling pathway protein 2 (WNT1) | NM_003881.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5490 | adenylyl cyclase | AF070583.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5491 | adenylyl cyclase type V (=AB007882 hypothetical: M96159) | | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5492 | bone gamma-carboxyglutamate (gla) protein (os) | X51699 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5493 | motch B | X68279 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5494 | NAALADase II protein | AJ012370.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5495 | adenylyl cyclase 7 (ADCY7) (=D25538 KIAA001) | gi4557254 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5496 | adenylyl cyclase activating polypeptide 1 (pituitary) | NM_001118.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5497 | ADP-ribosylation factor | L38490 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5498 | ADP-ribosylation factor (hARF5) | M57567 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5499 | ADP-ribosylation factor 3 (ARF3) | NM_001659.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5500 | ADP-ribosylation factor binding protein (GGA1) | AF190862.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5501 | ADP-ribosylation factor GTPase activating protein | BC005122.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5502 | ADP-ribosylation factor-like 5 (ARL5), mRNA | NM_012097.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5503 | ADP-ribosylation factor-like 6 interacting protein | XM_027365.2 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5504 | alpha-catenin-like protein (CTNNAL1) | AF030233 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5505 | ARP1 (actin-related protein 1, yeast) homolog A | XM_031949.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5506 | beta-arrestin 2 (=ARRB2) | AF106941.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5507 | Ca/calmodulin-dependent protein kinase II, delta | NM_012519.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |

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|------|--|-------------|---|-------|---|-------|---|-------|---|-------|---|
| 5508 | Ca ²⁺ -transporting ATPase (EC 3.6.1.38), fast sk | S24359 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5509 | calcium/calmodulin-dependent protein kinase I (I | NM_003656.2 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5510 | CALCIUM-BINDING PROTEIN E63-1=U25882(C | P48593 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5511 | calcium-independent alpha-latrotoxin receptor h | AF063102 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5512 | catenin (cadherin-associated protein), beta 1 (C1 | NM_001904.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5513 | catenin(cadherin-associated protein), delta 1 (C1 | NM_001331.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5514 | collapsin response mediator protein CRMP-1 (=I | U17278 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5515 | ECSIT (LOC51295) | NM_016581.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5516 | Gi3 alpha protein | X54048.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5517 | grancalcin (GCL) | NM_012198.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5518 | guanyl cyclase C gene | U20230 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5519 | homer-2a | AF093263 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5520 | indian hedgehog protein (IHH) | L38517.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5521 | max gene | X66867.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5522 | NAD ADP-ribosyltransferase 3 (ADPRT3) | AF085734.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5523 | nuclear receptor subfamily 2, group C, member | NM_003297.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5524 | SAR1 (SAR1) | AF261717 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5525 | soluble guanylate cyclase small subunit | X66533 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5526 | terminal transferase | M11722.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5527 | TIRC7 protein (TCIRG1) | AF033033.2 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5528 | TNF receptor-1 associated protein (TRADD) | L41690 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5529 | TNF receptor-associated factor 1 (TRAF1) | NM_005658.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5530 | TNF-alpha stimulated ABC protein (ABC50) | AF027302.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5531 | TNF-receptor associated factor-3 (TRAF-3) | AF110908.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5532 | TOK-1beta | AB040451.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5533 | vitamin D3 receptor interacting protein (DRIP80) | AF105421.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5534 | inner membrane protein mitochondrial (mitofilin) | gi5803114 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5535 | thiamine transporter 1 (THT1) | AF160812.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5536 | ABC transporter (ATM1) | AF078777.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5537 | calcium activated neutral protease large subunit | X04366 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5538 | calcium transport ATPase ATP2C1 (ATP2C1) | AF225981.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5539 | calcium-activated potassium channel | U093833 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5540 | channel-kinase 1 (CHAK1) | AF346629 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5541 | chloride channel 3 (CLCN3) | X78520 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5542 | chloride channel protein 4 | AB019432.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5543 | chloride channel regulatory protein | U17899 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5544 | connexin 26 (GJB2) | M86849.2 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5545 | Creatine transporter (SLC6A8) and (CDM) parak | gi1401058 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5546 | dopamine responsive protein DRG-1 | AF271994.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5547 | familial intrahepatic cholestasis 1, (progressive, | NP_005594.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5548 | gamma-aminobutyraldehyde dehydrogenase (=L | U34252 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5549 | gamma-aminobutyric acid (GABA) A receptor, al | NM_000809.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5550 | gamma-aminobutyric acid (GABA) B receptor, 1 | NM_001471.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5551 | glycoprotein (transmembrane) nmb (GPNMB), r | Hs.82226 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5552 | hemoglobin, alpha 1 (HBA1) | NM_000558.3 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5553 | hemoglobin, alpha 2 (HBA2), | NM_000517.3 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5554 | large conductance calcium- and voltage-depend | U11058.2 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5555 | L-type calcium channel beta-1 subunit (CACNL | U39412 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5556 | Machado-Joseph disease (MJD) | NM_004993.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5557 | membrane-bound aminopeptidase P (XNPEP2) | AF195953.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5558 | minK-related peptide 3 | AF076533.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5559 | OCTN2 | AB016625.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5560 | PALS1 | AF199008 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5561 | potassium channel subunit (=AB037843 KIAA14 | AF089730 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5562 | potassium large conductancecalcium-activated c | NP_002238.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5563 | potassium voltage-gated channel, shaker-relate | NM_003471.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5564 | proton pump polypeptide | M58758 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5565 | SODIUM/HYDROGEN EXCHANGER 6 (NA()/H | Q92581NAH6 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |

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|------|---|---------------|---|-------|---|-------|---|-------|---|-------|---|
| 5566 | TRPC1 protein | X89066 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5567 | VDAC1 gene porin isoform 1 | AJ250039.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5568 | voltage-gated potassium channel KCNQ5 (KCNQ5) | AF263835.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5569 | cell surface glycoprotein P1H12 precursor | AF089868.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5570 | killer cell lectin-like receptor subfamily B, member 5 | NM_002258.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5571 | METAXIN | spQ13505 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5572 | beta 2 | X02344 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5573 | beta4-integrin (ITGB4) (low match) | U66534 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5574 | cadherin 5, VE-cadherin (vascular epithelium) (CDH5) | NM_001795.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5575 | cadherin-15 | D83542 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5576 | cerebral cell adhesion molecule (=AB011156) | KI AF177203.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5577 | c-type lectin DCL1 (ORF) | AF121352 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5578 | cysLT1 LTD4 receptor (CYSLT1) | AF119711.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5579 | desmoplakin (DPI, DPII) (RefSeq aa 1e-88) | NP_004406.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5580 | flotillin 1 (FLOT1) | NM_005803.2 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5581 | focal adhesion kinase (FAK) | L13616.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5582 | fucosyltransferase 8 (alpha (1,6)fucosyltransferase 8) | NP_004471.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5583 | GPI transamidase | AF022913 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5584 | hGAA1 | AB006969 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5585 | ICHIT protein (52/53) | AJ010903.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5586 | insulin-like growth factor binding protein 4 (IGFBP4) | M62403.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5587 | integrin alpha 6 | X53586 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5588 | integrin associated protein | Z25524.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5589 | integrin beta 3 binding protein (beta3-endonexin) (NM_014288.1) | | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5590 | INTEGRIN BETA-8 PRECURSOR | spP26012 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5591 | integrin, alpha 5 (fibronectin receptor, alpha 5) (NM_002205.1) | | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5592 | junctional adhesion molecule 3 (JAM3) | XM_053514.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5593 | N-cadherin mRNA, complete cds | M34064.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5594 | nel (chicken)-like 2 (NELL2) | NM_006159.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5595 | neural cell adhesion molecule | X07200.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5596 | neural F box protein NFB42 | AF098301 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5597 | ninjurin 2 (NINJ2) | NM_016533.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5598 | novel protein AHNK mRNA, partial sequence | M80899.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5599 | p55-related MAGUK protein DLG3 (dlg3) | AF124435.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5600 | PCDH-psi3 pseudogene | AF152529.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5601 | PNGase | AF250924.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5602 | polycystic kidney disease 1 (autosomal dominant) (PKD1) | NM_000296.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5603 | Semaphorin A (V)(SEMA5) | NM_004636.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5604 | semaphorin V | U28369 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5605 | syntaxin 5 | U26648 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5606 | syntaxin4-interacting protein synip (ORF) | AF152924 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5607 | SYT | X79201 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5608 | thrombomodulin, endothelial cell | M16552 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5609 | TRAF interacting protein (TRIP) | NM_005879.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5610 | TRAF5 | AB000509.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5611 | TRAF-interacting protein I-TRAF | U59863.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5612 | triple functional domain (PTPRF interacting) (TRIP3) | NM_007118.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5613 | Tspan-3 | AF054840 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5614 | Nop10p | NM_018648.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5615 | chromodomain helicase DNA binding protein 3 (CHD3) | NM_001272.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5616 | chromosomal protein HMG1 related gene | D14718 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5617 | chromosome-specific mRNA | L23207.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5618 | cisplatin resistance associated (CRA) | NM_006697.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5619 | H1 histone (H1FO) | NM_005318.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5620 | H2A histone family, member Y (H2AFY) (= histone H2A) | NM_004893.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5621 | H2B histone family, member Q (H2BFQ) | NM_003528.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5622 | heterochromatin protein homologue (HP1) | L07515.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5623 | heterochromatin protein p25 | U35451 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |

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| 5624 | high mobility group 1 protein | L13804 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5625 | high mobility group 1-like protein L6 (HMG1L6) r | AF076678.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5626 | high mobility group box (SSRP1) | M86737 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5627 | high mobility group HMGIC/NFIB fusion protein (| AF022215 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5628 | high mobility group-box containing protein 1 (HB | NM_012257.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5629 | highly charged protein (D13S106E) (=X59131) | gi5031648 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5630 | high-mobility group (nonhistone chromosomal) p | XM_028234.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5631 | high-mobility group phosphoprotein (HMG1-C) | L41044 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5632 | high-mobility group phosphoprotein isoform I-C (| U28754.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5633 | histone acetylase complex subunit (SPT3) | AF073930.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5634 | histone H2A.X. | X14850 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5635 | hp1-gamma-D2192 Heterochromatin protein 1 g | AB030905 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5636 | importin beta subunit | L38951.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5637 | Nap1 protein (=AB011159 hypothetical protein (I | D84346 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5638 | non-histone chromosomal protein (NHC) | U90549.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5639 | nonhistone protein HMG1 | M21683 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5640 | nucleosome assembly protein 2 | U77456 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5641 | PDNA sequence AC clone 219d7, | AF225899 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5642 | pericentriolar material 1 (PCM1), mRNA /cds=(4) | Hs.75737 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5643 | RecQ4 DNA helicase | AB006532 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5644 | RPA interacting protein alpha (44% ORF) | CAB45690.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5645 | RTS gene | AF305057.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5646 | RuvB (E coli homolog)-like 2(RUVBL2) (=erythro | NM_006666.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5647 | telomeric repeat binding factor 2 (TERF2) | NM_005652.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5648 | TERF1 (TRF1)-interacting nuclear factor 2 (TINF | XM_033252.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5649 | TRF2-interacting telomeric RAP1 protein (RAP1 | AF262988.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5650 | 34 kDa Mov34 homolog | U70735 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5651 | BTG family, member 3 (BTG3) | 5802989 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5652 | cdk inhibitor p27KIP1 | AY004255.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5653 | MD-2 protein (MD-2) | NM_015364.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5654 | M-phase phosphoprotein 4 (MMP4) | NM_012218.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5655 | OM-1 | X67534 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5656 | 200 kD protein | X80169 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5657 | 5-azacytidine induced gene 2 (Azi2) | NM_013727.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5658 | BM-006 | AF208848 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5659 | BM-008 | AF208850 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5660 | BM-017 (=ALEX3) | AF208859.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5661 | BM022 mRNA | AF212225.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5662 | CDC23 (cell division cycle 23, yeast, homolog) (| NM_004661.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5663 | CDC37 homologue | U43077 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5664 | Cdc7 (CDC7) | AF015592.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5665 | cdk-inhibitor p57/KIP2 (CDKN1C) (=U22398) | U48869 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5666 | cell cycle gene RCC1 | X12654.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5667 | clk1 | L29219 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5668 | cycA gene for cyclin A | X68303.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5669 | cyclin B | M25753 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5670 | cyclin C (CCNC) | NM_005190.2 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5671 | cyclin G1 interacting protein | U61837 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5672 | cyclin H (CCNH) mRNA | NM_001239.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5673 | cyclin K (RefSeq aa 5e-62) | NP_003849.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5674 | cyclin T1 (RefSeq aa 7e-75) | NP_001231.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5675 | cyclin T2 (CCNT2) | NM_001241.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5676 | Cyclin-dependent kinase (CDC2-like) 10 (CDK1(| NM_003674.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5677 | CYCLIN-DEPENDENT KINASES REGULATOR spP33551 | | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5678 | D-type cyclin-interacting protein 1 (DIP1) | AF082569 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5679 | enhancer of zeste (Drosophila) homolog 2 (EZH | NM_004456.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5680 | Fanconi anemia, complementation group G (FA | NM_004629.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5681 | GANP protein (=KIAA0572 protein) | AJ010089.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |

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| 5682 | geminin | AF067855.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5683 | GTP binding protein similar to S. cerevisiae HBS | NM_006620.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5684 | GTP-binding protein | Z49068 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5685 | GTP-binding protein (RAB4) | M28211 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5686 | GTP-binding protein (rhoB) | AF098515 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5687 | GTP-binding protein (rhoC) (=X05026;L09159) | L25080 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5688 | GTP-binding protein alpha q subunit (GNAQ) m | U40038.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5689 | GTP-binding protein NGB | AF120334 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5690 | GTP-binding protein rah | AF056807 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5691 | HARP (HARP) gene | AF210835.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5692 | HsGAK | D88435 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5693 | Iodestar protein | AF080255.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5694 | Mig-6=mitogen-inducible gene mig-6 product | gi1037127 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5695 | minichromosome maintenance deficient (mis5, S | NM_005915.2 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5696 | Miz-1 protein | Y09723 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5697 | myeloid differentiation primary response protein | U70451 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5698 | NIMA (never in mitosis gene a)-related kinase 6 | NM_014397.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5699 | nucleolar protein p40 | AAB46731.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5700 | nucleolin (NCL) (=FLJ20214 fis) | NM_005381.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5701 | p85Mcm (=D55716 P1cdc47; D28480 hMCM2) | X74796 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5702 | PRAD1 cyclin | X59798 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5703 | Pseudoautosomal GTP-binding protein-like (PGI | NM_012227.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5704 | RhoE=26 kda GTPase homolog | S82240 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5705 | topoisomerase II alpha-4 (AF285159) | AAG13405.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5706 | Fas-associated factor, FAF1 (Faf1 gene) | AJ271408.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5707 | neuronal thread protein AD7c-NTP | NP_055301.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5708 | neutral sphingomyelinase (N-SMase) activation : | gi4505464 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5709 | Newcastle disease virus inducible protein | U25276 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5710 | APG5 (autophagy 5, S.cerevisiae)-like (APG5L) | NM_004849.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5711 | apoptosis inhibitor 1 (API1) | NM_001166.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5712 | apoptosis inhibitor survivin gene, complete cds | U75285.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5713 | apoptosis related protein APR-3 | AF144055.2 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5714 | apoptosis-associated nuclear protein (PHLDA1) | AF239986.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5715 | Baculoviral IAP repeat-containing 3 (BIRC3)(=ini | NM_001165.2 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5716 | Bcl-2-binding protein (BAG-1) | AF022224 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5717 | bridging integrator protein-1 (BIN1) gene | U84000.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5718 | caspase 3, apoptosis-related cysteine protease (| NM_004346.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5719 | caspase 6, apoptosis-related cysteine protease | XP_003600.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5720 | cell death suppressor (WA1) (=AF049672) | AF000267 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5721 | cell recognition molecule Caspr2 (=AB020675 K | AF193613 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5722 | death-associated protein kinase 1 (DAPK1) | NM_004938.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5723 | DRAK1 | AB011420 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5724 | dual specificity phosphatase 6, clone MGC:3789 | BC003143.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5725 | DUSP6 (=X93920 protein-tyrosine-phosphatase) | AB013382.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5726 | ES18 | AF083930 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5727 | Fas-apoptosis inhibitory molecule (Faim) | AF130367.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5728 | neuronal apoptosis inhibitory protein 6 (Naip6); | AF242431.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5729 | neuronal cell death-related protein (LOC51616), | NM_015975.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5730 | neurotrophin-3 (NT-3) | M37763 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5731 | programmed cell death 5(PDCD5), (= TFAR1) | NM_004708.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5732 | programmed cell death 9 (PDCD9) (ORF) | AF146192 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5733 | RIP protein kinase | U50062.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5734 | seCReted apoptosis related protein 1 (Sarp1) | AF017989 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5735 | Siva-2 (ORF) | AF033111 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5736 | Kin17 protein | AJ005273.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5737 | MSSP | D82352 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5738 | ATP-DEPENDENT DNA HELICASE II, 80 KDA : sp | P13010 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5739 | DNA fragmentation factor, 45 kD, alpha polypept | NM_004401.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |

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| 5740 | DNA polymerase delta | M81735 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5741 | DNA replication licensing factor (huMCM2) (=D2 D83987 | | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5742 | DNA-DIRECTED RNA POLYMERASE II 19 KDa spP52433 | | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5743 | DNA-DIRECTED RNA POLYMERASES I, II, AN spP53803 | | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5744 | gene encoding splicing factor SF1 | AJ000052.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5745 | line-1 reverse transcriptase | AAC51337.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5746 | meiotic recombination (S. cerevisiae)11 homolog NP_005582.1 | | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5747 | meiotic recombination protein REC14 | AAG31639.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5748 | origin recognition complex protein 2 homologue U27459 | | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5749 | origin recognition complex subunit 4 (ORC4L) (=AF047598 | | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5750 | origin recognition complex subunit LATHEO (LA' AF093535.1 | | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5751 | origin recognition complex, subunit 3(yeast hom NP_036513.1 | | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5752 | polymerase (RNA) II (DNA directed) polypeptide NM_000937.1 | | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5753 | polymerase (RNA) II (DNA directed) polypeptide NM_002694.1 | | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5754 | polymerase (RNA) II (DNA directed) polypeptide NM_002695.1 | | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5755 | polymerase (RNA) II (DNA directed) polypeptide NM_006233.2 | | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5756 | polymerase (RNA) III (DNA directed) (39kD) (RP NM_006466.1 | | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5757 | polymerase II subunit hSRPB4 | U89387 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5758 | primase, polypeptide 1(49kD) (PRIM1)(= (subunit NM_000946.1 | | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5759 | replication factor C, 40-kDa subunit (A1) (=AF04 M87338 | | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5760 | reverse transcriptase (non-exact) | AAB02291.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5761 | BAF60b | AF068245 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5762 | binding protein(SRM300)(= HSPC075)(= splicing NM_016333.1 | | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5763 | budding uninhibited by benzimidazoles 1 (yeast NM_001211.2 | | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5764 | anaphase-promoting complex subunit 7 (APC7) AF191340.1 | | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5765 | BCL2-associated athanogene 2 (BAG2) NM_004282.2 | | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5766 | CDEI binding protein | Z22572.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5767 | cell division protein (=AJ005892 JM23 protein) AF063015 | | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5768 | cytosolic adenylate kinase (AK1) J04809 | | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5769 | D9 splice variant A | U95006 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5770 | disabled (Drosophila) homolog 1 (DAB1) NM_021080.1 | | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5771 | discs, large (Drosophila) homolog 1 (DLG1) gi4758161 | | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5772 | D-prohibitin | AF178980 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5773 | HERV1 | U31176 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5774 | hevin like protein =high endothelial venule (ORF X82157 | | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5775 | Murr2 (=AB018272 KIAA0729) | D85434 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5776 | Notch2 | D32210.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5777 | progesterone induced protein (RefSeq aa 6e-32) NP_056986.1 | | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5778 | prohibitin (PHB) NM_002634.2 | | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5779 | proliferating cell nuclear antigen (PCNA), mRNA Hs.78996 | | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5780 | proliferation potential-related protein AF352051.1 | | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5781 | proto-oncogene (Wnt-5a) L20861.1 | | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5782 | RFG | X77548.1 | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5783 | SEPTIN 6 type II (SEPTIN6) mRNA, complete alpha AF403059.1 | | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5784 | tumor endothelial marker 7 precursor (aa 3e-13) NP_065138.1 | | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5785 | tumor necrosis factor receptor 2 (TNFR2) U52165 | | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 1 |
| 5786 | tumor necrosis factor type 1 receptor associated NM_016292.1 | | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5787 | tumor necrosis factor type 2 receptor associated U12597.1 | | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5788 | tumor necrosis factor(ligand) superfamily, memb NM_003809.1 | | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5789 | tumor necrosis factor, alpha-induced protein 1 (e NM_021137.1 | | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5790 | tumor necrosis factor, alpha-induced protein 3 (TNM_006290.1 | | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5791 | tumor protein D52-like 2 (TPD52L2) NM_003288.1 | | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5792 | tumor protein p53-binding protein, 2 (TP53BP2) NM_005426.1 | | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5793 | tumor suppressing subtransferable candidate 1 (NM_003310.1 | | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5794 | tumor susceptibility gene 101 (RefSeq aa 2e-61) NP_006283.1 | | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5795 | raf oncogene | X03484 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5796 | mitochondrial precursor receptor (=D13641 Hum D63411 | | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5797 | mannan-binding lectin-associated serine protease X98400.1 | | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |

| | | | | | | | | | | |
|---|-------------|---|-------|---|-------|---|-------|---|-------|---|
| 5798 T cell-activating protein (HRF20) | M27909 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5799 ragB protein | X90530 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5800 mitochondrial F1Fo-ATPase synthase f subunit | AF047436 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5801 actinin, alpha 4 (H. sapiens) (LOC126227) | XM_059002.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5802 SH3 domain binding glutamic acid-rich protein (S | XM_049754.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5803 fetal liver cDNA library Homo sapiens cDNA | AI174701.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5804 FSHD region gene 1 (RefSeq aa 7e-36) | NP_004468.1 | 0 | 0.00% | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5805 glycoprotein (transmembrane) nmb (GPNMB), tr | Hs#S1731822 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |
| 5806 apurinic/apurimidinic endonuclease(APEX nucle | NM_014481.1 | 1 | 0.01% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 |
| 5807 glutamine-fructose-6-phosphate transaminase 1 | NM_002056.1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 1 | 0.01% | 1 |

Figure 6A – EST Names Corresponding to Unique Known Genes of Figure 6

1. alpha gene sequence (=HSP90) AF203815.1 1560

| | | | | | | | | |
|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------|
| ncrc6517 | ncrc6300 | MIOA0975n | MIOA2770a | MIOA4599a | MIOA6533a | MIOA8974 | miob0581 | miob2480 |
| ncrc6624 | ncrc6400 | MIOA1005 | MIOA2810a | MIOA4620a | MIOA6712a | MIOA8991 | miob0627 | miob2494 |
| ncrc5747 | ncrc5893 | mioa1043m | MIOA2823a | MIOA4660a | MIOA6749a | MIOA8995 | miob0642 | MI0B2570 |
| ncrc5725 | ncrc6269 | MIOA1206 | MIOA2826a | MIOA4675 | MIOA6759a | MIOA8996 | miob0658 | MI0B2585 |
| ncrc6233 | ncrc5859 | MIOA1210 | MIOA2874a | MIOA4703 | MIOA6775a | MIOA9001 | miob0721 | MI0B2605 |
| ncrc7150 | ncrc6408 | MIOA1229 | MIOA2878a | MIOA4728 | MIOA6777a | MIOA9027 | miob0742 | MI0B2611 |
| ncrc6706 | ncrc6727 | MIOA1262n | MIOA2885a | MIOA4781a | MIOA6802a | MIOA9049 | miob0751 | MI0B2616 |
| ncrc7164 | ncrc7054 | MIOA1268 | MIOA2888a | MIOA4815a | MIOA6844a | MIOA9114 | miob0759 | MI0B2621 |
| ncrc7111 | ncrc6904 | MIOA1269 | MIOA2889a | MIOA4828a | MIOA6877a | MIOA9174 | miob0805 | MI0B2675 |
| ncrc3534 | ncrc6971 | MIOA1347a | MIOA2931a | MIOA4894a | MIOA7084a | mioa9232 | miob0814 | MI0B2692 |
| ncrc3651 | ncrc6773 | MIOA1381a | MIOA2944a | MIOA4906a | MIOA7111a | mioa9238 | miob0830 | MI0B2698 |
| ncrc2277 | ncrc6886 | MIOA1402a | MIOA2959a | MIOA4942a | MIOA7138a | mioa9292 | miob0843 | MI0B2717 |
| ncrc2551 | CR0444 | MIOA1406a | MIOA3021a | MIOA4995a | MIOA7182a | mioa9302 | miob0848n | MI0B2720 |
| ncrc4128 | FCR5216 | MIOA1407a | MIOA3028a | MIOA5012a | MIOA7227a | mioa9306 | miob0869 | MI0B2727 |
| ncrc4187 | fcrb1838 | MIOA1415 | MIOA3039a | MIOA5024a | MIOA7286 | mioa9322 | miob0889 | MI0B2728 |
| ncrc3945 | fcrb2577 | MIOA1419 | MIOA3123a | MIOA5042a | MIOA7363a | mioa9342 | miob1014 | MI0B2787 |
| ncrc4202 | hfcR0495 | MIOA1422 | MIOA3154a | MIOA5069a | MIOA7368a | mioa9415 | miob1034 | MI0B2808 |
| ncrc4427 | hfcR2686 | MIOA1428 | MIOA3166a | MIOA5105a | MIOA7430a | mioa9497 | miob1073 | MI0B2849 |
| ncrc4625 | hfcR3457 | MIOA1567 | MIOA3189a | MIOA5118a | MIOA7437a | mioa9534 | miob1089 | MI0B2867 |
| ncrc4641 | hfcR3502 | MIOA1583 | MIOA3372a | MIOA5151a | MIOA7539a | mioa9574 | miob1090 | miob2886 |
| ncrc4657 | hfcR5094 | MIOA1611a | MIOA3422a | MIOA5195a | mioa7731a | mioa9584 | miob1092 | miob2898 |
| ncrc4611 | hfcR5772 | MIOA1639a | MIOA3435a | MIOA5449a | mioa7856 | mioa9597 | miob1097n | miob2919 |
| ncrc4417 | hfcR7350 | MIOA1651a | MIOA3444a | MIOA5546a | MIOA7988a | mioa9621 | miob1100 | miob2929 |
| ncrc4556 | MIOA0002a | MIOA1696a | MIOA3465a | MIOA5562a | MIOA7993a | mioa9622 | miob1108 | miob2931 |
| ncrc5118 | MIOA0028a | MIOA1707a | MIOA3522a | MIOA5644a | MIOA8009a | mioa9659n | miob1140 | miob2945 |
| ncrc4803 | MIOA0036a | MIOA1741 | MIOA3523a | MIOA5650 | MIOA8022a | mioa9668 | miob1226 | miob2958 |
| ncrc4968 | MIOA0047a | MIOA1784 | MIOA3555a | MIOA5699 | MIOA8025a | mioa9688 | miob1304 | miob2969 |
| ncrc5111 | MIOA0127 | MIOA1801m | MIOA3586a | mioa5711n | MIOA8057a | mioa9694 | miob1312 | miob2984 |
| ncrc4913 | MIOA0186 | MIOA1866a | MIOA3667 | MIOA5759a | MIOA8100 | mioa9737 | miob1344 | miob2991 |
| ncrc4927 | MIOA0191n | MIOA1999n | MIOA3690a | MIOA5788a | MIOA8154 | mioa9758 | miob1376 | miob3051 |
| ncrc4268 | MIOA0198a | MIOA2078 | MIOA3705a | MIOA5802a | MIOA8218 | mioa9775 | miob1454 | miob3064 |
| ncrc4751 | MIOA0199a | MIOA2100 | MIOA3781 | MIOA5809a | MIOA8237 | mioa9852 | miob1457 | miob3073 |
| ncrc4249 | MIOA0208a | MIOA2120 | MIOA3885a | MIOA5821a | MIOA8469 | mioa9869 | MI0B1491 | miob3091 |
| ncrc4774 | MIOA0226a | MIOA2159a | MIOA3901a | MIOA5875a | MIOA8497 | mioa9872 | MI0B1498 | miob3097 |
| ncrc4276 | MIOA0254a | MIOA2201a | MIOA3922a | MIOA5878a | MIOA8535 | mioa9889 | MI0B1553 | miob3125 |
| ncrc5278 | MIOA0259 | MIOA2206a | MIOA3973a | MIOA5880a | MIOA8563 | mioa9899 | MI0B1554 | miob3181 |
| ncrc4784 | MIOA0262 | MIOA2212a | MIOA4006a | MIOA5943a | MIOA8573 | mioa9900 | MI0B1565 | miob3188 |
| ncrc5236 | MIOA0290 | MIOA2233a | MIOA4025a | MIOA5944a | MIOA8620 | mioa9902 | miob1777 | miob3190 |
| ncrc4769 | MIOA0292 | MIOA2258a | MIOA4067a | MIOA6014a | MIOA8723 | mioa9918 | miob1850n | miob3193 |
| ncrc4730 | MIOA0298n | MIOA2280a | MIOA4105 | MIOA6061a | MIOA8758 | mioa9934 | miob1875 | miob3201 |
| ncrc5406 | MIOA0416a | MIOA2389a | MIOA4227 | MIOA6062 | MIOA8793 | mioa9948 | miob1881 | miob3202 |
| ncrc5497 | MIOA0418a | MIOA2411a | MIOA4239 | MIOA6092 | MIOA8833 | mioa9980 | miob1891 | miob3206 |
| ncrc5480 | MIOA0505n | MIOA2433a | MIOA4243 | MIOA6095a | MIOA8834 | miob0002 | miob1905 | miob3220 |
| ncrc5319 | MIOA0522 | MIOA2518a | MIOA4253 | MIOA6098a | MIOA8875 | miob0132 | miob1919 | miob3228 |
| ncrc5612 | mioa0568 | MIOA2524a | MIOA4274 | MIOA6157a | MIOA8882 | miob0159 | miob1957 | miob3263 |
| ncrc5305 | mioa0709m | MIOA2529a | MIOA4315a | MIOA6166a | MIOA8885 | miob0198 | miob1958 | miob3287 |
| ncrc5599 | MIOA0710 | MIOA2590a | MIOA4337a | MIOA6167a | MIOA8889 | miob0220 | miob1968 | miob3289 |
| ncrc5945 | MIOA0725 | MIOA2591a | MIOA4347a | MIOA6175a | MIOA8901 | miob0222 | MI0B2130 | miob3366 |
| ncrc5969 | MIOA0746 | MIOA2602a | MIOA4420 | MIOA6181a | MIOA8911 | miob0235 | MI0B2137 | miob3369 |
| ncrc5968 | MIOA0827 | MIOA2613a | MIOA4423 | MIOA6402a | MIOA8940 | miob0260 | MI0B2150 | miob3392 |
| ncrc6286 | MIOA0837a | MIOA2617a | MIOA4425 | MIOA6459a | MIOA8941 | miob0288 | miob2365 | miob3402 |
| ncrc6032 | MIOA0888a | mioa2638m | MIOA4527a | MIOA6466a | MIOA8954 | miob0357 | miob2433 | miob3412 |
| ncrc6429 | MIOA0956 | MIOA2689a | MIOA4541a | MIOA6478a | MIOA8967 | miob0365 | miob2434 | miob3423 |

Figure 6A – Continued

| | | | | | | | | |
|----------|----------|----------|----------|---------|---------|---------|----------|----------|
| miob3435 | miob4507 | miob5750 | miob6838 | ncr2483 | ncr4609 | ncr6260 | ncr9063 | ncrb1530 |
| miob3459 | miob4511 | miob5757 | miob6854 | ncr2503 | ncr4619 | ncr6306 | ncr9070 | ncrb1533 |
| miob3467 | miob4520 | miob5782 | miob6886 | ncr2584 | ncr4655 | ncr6383 | ncr9079 | ncrb1600 |
| miob3469 | miob4521 | miob5801 | miob6894 | ncr2596 | ncr4682 | ncr6385 | ncr9082 | ncrb1664 |
| miob3507 | miob4555 | miob5817 | miob6907 | ncr2620 | ncr4702 | ncr6398 | ncr9214 | ncrb1676 |
| miob3537 | miob4622 | miob5850 | miob6909 | ncr2642 | ncr4742 | ncr6402 | ncr9282 | ncrb1697 |
| miob3558 | miob4623 | miob5851 | miob6916 | ncr2643 | ncr4770 | ncr6588 | ncr9332 | ncrb1698 |
| miob3627 | miob4633 | miob5896 | miob6917 | ncr2829 | ncr4789 | ncr6608 | ncr9361 | ncrb1756 |
| miob3687 | miob4644 | miob5899 | miob6920 | ncr2855 | ncr4856 | ncr6659 | ncr9393 | ncrb1759 |
| miob3692 | miob4649 | miob5906 | miob6934 | ncr2955 | ncr4864 | ncr6664 | ncr9458 | ncrb1886 |
| miob3722 | miob4659 | miob5907 | miob6938 | ncr3000 | ncr4883 | ncr6694 | ncr9480 | ncrb1887 |
| miob3752 | miob4671 | miob5911 | ncr0023 | ncr3085 | ncr4916 | ncr6917 | ncr9485 | ncrb1893 |
| miob3765 | miob4685 | miob5928 | ncr0028 | ncr3103 | ncr4917 | ncr6958 | ncr9498 | ncrb1913 |
| miob3777 | miob4699 | miob5934 | ncr0198 | ncr3158 | ncr4920 | ncr7056 | ncr9500 | ncrb1924 |
| miob3844 | miob4709 | miob5942 | ncr0201 | ncr3220 | ncr4930 | ncr7074 | ncr9511 | ncrb2072 |
| miob3870 | miob4740 | miob5951 | ncr0209 | ncr3223 | ncr4944 | ncr7159 | ncr9519 | ncrb2096 |
| miob3914 | miob4753 | miob5955 | ncr0215 | ncr3259 | ncr4953 | ncr7234 | ncr9527 | ncrb2189 |
| miob3930 | miob4759 | miob5974 | ncr0233 | ncr3322 | ncr4999 | ncr7254 | ncr9537 | ncrb2204 |
| miob3964 | miob4762 | miob5976 | ncr0312 | ncr3333 | ncr5113 | ncr7263 | ncr9557 | ncrb2336 |
| miob3966 | miob4772 | miob5982 | ncr0331 | ncr3350 | ncr5127 | ncr7276 | ncr9564 | ncrb2480 |
| miob3987 | miob4778 | miob5985 | ncr0333 | ncr3375 | ncr5150 | ncr7289 | ncr9580 | ncrb2492 |
| miob3988 | miob4780 | miob5986 | ncr0338 | ncr3456 | ncr5157 | ncr7334 | ncr9598 | ncrb2568 |
| miob4012 | miob4801 | miob5988 | ncr0392 | ncr3477 | ncr5161 | ncr7352 | ncr9621 | ncrb2601 |
| miob4029 | miob4891 | miob5992 | ncr0404 | ncr3490 | ncr5179 | ncr7389 | ncr9695 | ncrb2677 |
| miob4045 | miob4893 | miob6002 | ncr0427 | ncr3589 | ncr5227 | ncr7390 | ncr9713 | ncrb2796 |
| miob4049 | miob4924 | miob6004 | ncr0442 | ncr3631 | ncr5285 | ncr7392 | ncr9723 | ncrb2800 |
| miob4066 | miob4938 | miob6009 | ncr0500 | ncr3697 | ncr5323 | ncr7468 | ncr9725 | ncrb2817 |
| miob4098 | miob4954 | miob6035 | ncr0522 | ncr3745 | ncr5338 | ncr7485 | ncr9746 | ncrb3054 |
| miob4128 | miob4959 | miob6091 | ncr0618 | ncr3767 | ncr5436 | ncr7486 | ncr9750 | ncrb3143 |
| miob4138 | miob4983 | miob6104 | ncr0656 | ncr3824 | ncr5444 | ncr7511 | ncr9765 | ncrb3152 |
| miob4141 | miob4987 | miob6109 | ncr0739 | ncr3847 | ncr5446 | ncr7513 | ncr9974 | ncrb3165 |
| miob4158 | miob4988 | miob6134 | ncr0914 | ncr3900 | ncr5536 | ncr7564 | ncrb0048 | ncrb3302 |
| miob4165 | miob5014 | miob6146 | ncr0928 | ncr3919 | ncr5543 | ncr7643 | ncrb0104 | ncrb3522 |
| miob4185 | miob5026 | miob6170 | ncr0931 | ncr3941 | ncr5558 | ncr7705 | ncrb0111 | ncrb3604 |
| miob4206 | miob5048 | miob6247 | ncr0948 | ncr3987 | ncr5573 | ncr7711 | ncrb0186 | ncrb3770 |
| miob4212 | miob5055 | miob6248 | ncr0963 | ncr3995 | ncr5597 | ncr7724 | ncrb0212 | ncrb3848 |
| miob4214 | miob5061 | miob6259 | ncr0968 | ncr4010 | ncr5629 | ncr7731 | ncrb0305 | ncrb3861 |
| miob4226 | miob5067 | miob6305 | ncr1032 | ncr4039 | ncr5631 | ncr7816 | ncrb0308 | ncrb4165 |
| miob4231 | miob5072 | miob6344 | ncr1217 | ncr4069 | ncr5695 | ncr7909 | ncrb0324 | ncrb4204 |
| miob4257 | miob5110 | miob6396 | ncr1251 | ncr4083 | ncr5714 | ncr7912 | ncrb0656 | ncrb4207 |
| miob4265 | miob5116 | miob6400 | ncr1274 | ncr4092 | ncr5750 | ncr8031 | ncrb0660 | ncrb4253 |
| miob4295 | miob5451 | miob6426 | ncr1323 | ncr4109 | ncr5753 | ncr8058 | ncrb0706 | ncrb4525 |
| miob4296 | miob5458 | miob6475 | ncr1376 | ncr4217 | ncr5787 | ncr8216 | ncrb0716 | ncrb4675 |
| miob4303 | miob5459 | miob6505 | ncr1410 | ncr4347 | ncr5793 | ncr8292 | ncrb0759 | ncrb4708 |
| miob4323 | miob5460 | miob6538 | ncr1605 | ncr4363 | ncr5797 | ncr8346 | ncrb0783 | ncrb4836 |
| miob4342 | miob5464 | miob6573 | ncr1622 | ncr4365 | ncr5808 | ncr8560 | ncrb1123 | ncrb4945 |
| miob4365 | miob5469 | miob6590 | ncr1719 | ncr4367 | ncr5854 | ncr8602 | ncrb1235 | ncrb4958 |
| miob4371 | miob5615 | miob6621 | ncr1817 | ncr4374 | ncr5915 | ncr8630 | ncrb1245 | ncrb4981 |
| miob4404 | miob5622 | miob6623 | ncr1851 | ncr4376 | ncr5969 | ncr8647 | ncrb1255 | ncrb5187 |
| miob4410 | miob5640 | miob6699 | ncr1889 | ncr4388 | ncr6013 | ncr8708 | ncrb1300 | ncrb5189 |
| miob4434 | miob5673 | miob6720 | ncr1892 | ncr4400 | ncr6023 | ncr8730 | ncrb1348 | ncrb5251 |
| miob4443 | miob5710 | miob6785 | ncr1951 | ncr4404 | ncr6104 | ncr8793 | ncrb1394 | ncrb5275 |
| miob4447 | miob5719 | miob6798 | ncr2054 | ncr4537 | ncr6143 | ncr8844 | ncrb1429 | ncrb5428 |
| miob4467 | miob5725 | miob6806 | ncr2283 | ncr4580 | ncr6152 | ncr8919 | ncrb1432 | ncrb5551 |
| miob4492 | miob5729 | miob6807 | ncr2294 | ncr4598 | ncr6226 | ncr8961 | ncrb1487 | ncrb5603 |
| miob4506 | miob5743 | miob6826 | ncr2478 | ncr4600 | ncr6235 | ncr9049 | ncrb1506 | ncrb5642 |

Figure 6A – Continued

| | | | | | | | | |
|----------|----------|----------|-----------|------------|-----------|-----------|----------|----------|
| ncrb5673 | ncrb8565 | ncrc2669 | ncrc9903 | SEOA3190 | SEOA6028a | SEOA9896 | SEOB2749 | seob4525 |
| ncrb5791 | ncrb8611 | ncrc2758 | ncrc9929 | SEOA3195 | SEOA6217a | SEOA9937 | SEOB2762 | seob4543 |
| ncrb5812 | ncrb8655 | ncrc2762 | ncrc9943 | SEOA3243 | SEOA6431 | SEOB0088 | SEOB2768 | seob4653 |
| ncrb5921 | ncrb8785 | ncrc2779 | SEOA0068 | SEOA3247 | SEOA6437 | SEOB0102 | SEOB2812 | seob4655 |
| ncrb5947 | ncrc0035 | ncrc2865 | SEOA0112 | SEOA3261 | SEOA6451a | SEOB0164 | SEOB2817 | seob4677 |
| ncrb5983 | ncrc0159 | ncrc2904 | SEOA0136 | SEOA3426a | SEOA6458a | SEOB0169 | SEOB2926 | seob4702 |
| ncrb5994 | ncrc0236 | ncrc2905 | SEOA0189A | SEOA3498a | SEOA6582a | SEOB0237 | SEOB2934 | seob4708 |
| ncrb6107 | ncrc0243 | ncrc3052 | SEOA0194A | SEOA3503a | SEOA6623a | SEOB0251 | SEOB2951 | seob4713 |
| ncrb6111 | ncrc0253 | ncrc3066 | SEOA0372 | SEOA3608a | SEOA6649a | SEOB0351 | SEOB3038 | seob4743 |
| ncrb6259 | ncrc0261 | ncrc3137 | SEOA0453 | SEOA3691a | SEOA6688a | SEOB0422 | SEOB3048 | seob4753 |
| ncrb6330 | ncrc0263 | ncrc3149 | SEOA0475 | SEOA3712a | SEOA6911 | SEOB0461 | SEOB3056 | seob4801 |
| ncrb6501 | ncrc0272 | ncrc3150 | SEOA0493 | SEOA3735a | seoa6956 | SEOB0553 | SEOB3079 | seob4802 |
| ncrb6509 | ncrc0297 | ncrc3236 | SEOA0576n | SEOA3801a | SEOA7070a | SEOB0561 | SEOB3108 | seob4829 |
| ncrb6540 | ncrc0318 | ncrc3288 | SEOA0833 | SEOA3894 | SEOA7134a | SEOB0698a | SEOB3157 | seob4888 |
| ncrb6565 | ncrc0351 | ncrc3303 | SEOA0878 | SEOA3902 | SEOA7161a | SEOB0701a | SEOB3230 | seob4929 |
| ncrb6593 | ncrc0367 | ncrc3304 | SEOA0948 | SEOA3927 | SEOA7292a | SEOB0758 | SEOB3329 | seob4944 |
| ncrb6735 | ncrc0391 | ncrc3326 | SEOA0991 | SEOA3956a | SEOA7311a | SEOB0823a | SEOB3344 | seob5001 |
| ncrb6741 | ncrc0399 | ncrc3334 | SEOA1068a | SEOA3983a | SEOA7348a | SEOB0834a | SEOB3346 | seob5060 |
| ncrb6809 | ncrc0446 | ncrc3454 | SEOA1096a | SEOA4013a | SEOA7362a | SEOB0849a | SEOB3444 | seob5124 |
| ncrb6840 | ncrc0456 | ncrc3505 | SEOA1140a | SEOA4142a | SEOA7507a | SEOB0886a | SEOB3475 | seob5153 |
| ncrb6848 | ncrc0521 | ncrc3772 | SEOA1164A | SEOA4183a | SEOA7514a | SEOB0893a | SEOB3522 | seob5161 |
| ncrb6859 | ncrc0550 | ncrc3873 | SEOA1196A | SEOA4218a | SEOA7585a | SEOB0895a | SEOB3525 | seob5243 |
| ncrb6864 | ncrc0561 | ncrc4014 | SEOA1252A | SEOA4335a | seoa7967 | SEOB0973 | SEOB3582 | seob5255 |
| ncrb6892 | ncrc0595 | ncrc4020 | SEOA1311a | SEOA4348a | SEOA8308a | SEOB1020 | SEOB3587 | seob5262 |
| ncrb6899 | ncrc0670 | ncrc4381 | SEOA1459a | SEOA4355a | SEOA8430 | SEOB1034 | seob3658 | seob5274 |
| ncrb7061 | ncrc0763 | ncrc4670 | SEOA1488 | seoa4367an | SEOA8454 | seob1036 | seob3683 | seob5282 |
| ncrb7106 | ncrc0765 | ncrc5067 | SEOA1510 | SEOA4481 | SEOA8455 | SEOB1094 | seob3711 | seob5295 |
| ncrb7159 | ncrc0848 | ncrc5208 | SEOA1528 | SEOA4516 | SEOA8508 | SEOB1099 | seob3714 | seob5300 |
| ncrb7180 | ncrc0944 | ncrc5819 | SEOA1537 | SEOA4559 | SEOA8611 | SEOB1109 | seob3719 | seob5312 |
| ncrb7208 | ncrc0951 | ncrc5910 | SEOA1607a | SEOA4569 | SEOA8720 | SEOB1112 | seob3729 | seob5322 |
| ncrb7241 | ncrc1012 | ncrc6356 | SEOA1650a | SEOA4582 | SEOA8745 | SEOB1137 | seob3843 | seob5325 |
| ncrb7242 | ncrc1020 | ncrc6881 | SEOA1713a | SEOA4591 | SEOA8764 | SEOB1138 | seob3857 | seob5343 |
| ncrb7248 | ncrc1024 | ncrc7195 | SEOA1774a | SEOA4619a | SEOA8766 | SEOB1203 | seob3860 | seob5369 |
| ncrb7351 | ncrc1092 | ncrc8965 | SEOA1876a | SEOA4663a | SEOA8767 | SEOB1223 | seob3877 | seob5430 |
| ncrb7379 | ncrc1115 | ncrc8977 | SEOA1911n | SEOA4695a | SEOA8792 | SEOB1289 | seob3885 | seob5432 |
| ncrb7396 | ncrc1208 | ncrc8992 | SEOA1953 | SEOA5052a | SEOA8797 | SEOB1431 | seob3913 | seob5437 |
| ncrb7400 | ncrc1211 | ncrc9005 | SEOA2011 | SEOA5111a | SEOA8831 | SEOB1450 | seob3924 | seob5462 |
| ncrb7450 | ncrc1285 | ncrc9009 | SEOA2150 | SEOA5255a | SEOA8859 | SEOB1600 | seob3933 | seob5492 |
| ncrb7469 | ncrc1307 | ncrc9105 | SEOA2159n | SEOA5329a | SEOA8903 | SEOB1706 | seob3946 | seob5527 |
| ncrb7536 | ncrc1330 | ncrc9119 | SEOA2176 | SEOA5389 | SEOA8917 | SEOB1738 | seob3976 | seob5563 |
| ncrb7647 | ncrc1508 | ncrc9179 | SEOA2186a | SEOA5462 | SEOA8926 | SEOB1741 | seob4006 | seob5566 |
| ncrb7654 | ncrc1582 | ncrc9205 | SEOA2257a | SEOA5476a | SEOA8974 | SEOB1794 | seob4009 | seob5573 |
| ncrb7728 | ncrc1632 | ncrc9218 | SEOA2290a | SEOA5517a | SEOA9095 | SEOB1831 | seob4028 | seob5597 |
| ncrb7737 | ncrc1639 | ncrc9233 | SEOA2304a | SEOA5531a | SEOA9096 | SEOB1918 | seob4042 | seob5638 |
| ncrb7770 | ncrc1845 | ncrc9325 | SEOA2333a | SEOA5663a | SEOA9162 | SEOB1937 | seob4061 | seob5735 |
| ncrb7801 | ncrc1853 | ncrc9403 | seoa2412n | SEOA5729a | SEOA9267 | SEOB2026 | seob4066 | seob5749 |
| ncrb7987 | ncrc1991 | ncrc9420 | seoa2510m | SEOA5735a | SEOA9336 | SEOB2112 | seob4078 | seob5758 |
| ncrb8025 | ncrc2013 | ncrc9429 | SEOA2530 | SEOA5752a | SEOA9378 | SEOB2187 | seob4104 | seob5781 |
| ncrb8047 | ncrc2112 | ncrc9447 | SEOA2544 | SEOA5761 | SEOA9547 | SEOB2220 | seob4141 | seob5828 |
| ncrb8097 | ncrc2152 | ncrc9480 | SEOA2546 | SEOA5779 | SEOA9554 | SEOB2267 | seob4183 | seob5853 |
| ncrb8190 | ncrc2232 | ncrc9561 | seoa2650n | SEOA5783 | SEOA9584 | SEOB2288 | seob4190 | seob5865 |
| ncrb8223 | ncrc2302 | ncrc9576 | SEOA2651 | SEOA5812 | SEOA9625 | seob2316 | seob4274 | seob5878 |
| ncrb8300 | ncrc2400 | ncrc9593 | SEOA2933a | SEOA5824 | SEOA9684 | seob2544 | seob4327 | seob5879 |
| ncrb8410 | ncrc2580 | ncrc9703 | SEOA2942a | SEOA5834 | SEOA9742 | seob2547 | seob4448 | seob5925 |
| ncrb8439 | ncrc2625 | ncrc9705 | SEOA2959a | SEOA5837 | SEOA9751 | seob2551 | seob4471 | seob5943 |
| ncrb8563 | ncrc2639 | ncrc9804 | SEOA2984a | SEOA5947 | SEOA9801 | seob2567 | seob4475 | seob5947 |

Figure 6A – Continued

| | | | | | | | | |
|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| seob6013 | seob6250 | seob6566 | seob6904 | seob7315 | seob7593 | seob7701 | seob8048 | seob8202 |
| seob6034 | seob6255 | seob6638 | seob7036 | seob7335 | seob7640 | seob7707 | seob8100 | SOA0253 |
| seob6058 | seob6310 | seob6687 | seob7040 | seob7365 | seob7642 | seob7737 | seob8107 | SOA0505 |
| seob6074 | seob6344 | seob6779 | seob7058 | seob7382 | seob7646 | seob7872 | seob8140 | |
| seob6127 | seob6409 | seob6826 | seob7079 | seob7388 | seob7651 | seob7911 | seob8141 | |
| seob6232 | seob6411 | seob6852 | seob7152 | seob7400 | seob7659 | seob7926 | seob8182 | |
| seob6234 | seob6465 | seob6864 | seob7193 | seob7408 | seob7678 | seob7986 | seob8188 | |
| seob6236 | seob6553 | seob6898 | seob7293 | seob7449 | seob7679 | seob8013 | seob8191 | |
| seob6248 | seob6557 | seob6899 | seob7297 | seob7539 | seob7687 | seob8019 | seob8192 | |

2. mitochondrial genome (consensus sequence) X62996 778

| | | | | | | | | |
|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|
| ncrc1692 | ncrc5585 | FCR1139 | FCR6079 | MIOA0468 | MIOA1713a | MIOA3151a | MIOA5286a | MIOA7235a |
| ncrc6464 | ncrc5630 | FCR1352 | FCR6103 | MIOA0479n | MIOA1738 | MIOA3157a | MIOA5330a | MIOA7327 |
| ncrc6551 | ncrc5337 | FCR1354 | FCR6116 | MIOA0489 | MIOA1771 | MIOA3199a | MIOA5413a | MIOA7337a |
| ncrc7194 | ncrc5623 | FCR1373 | FCR6163 | MIOA0515 | MIOA1838a | MIOA3223a | MIOA5446a | MIOA7357a |
| ncrc7143 | ncrc6335 | FCR1419 | FCR6202 | MIOA0559n | MIOA1892a | MIOA3286a | MIOA5472a | MIOA7425a |
| ncrc7167 | ncrc5771 | FCR1532 | FCR6209 | MIOA0565n | MIOA1898a | MIOA3311a | MIOA5539a | MIOA7520a |
| ncrc5715 | ncrc6351 | FCR1561 | FCR6257 | MIOA0590a | MIOA1905a | MIOA3340a | MIOA5541a | MIOA7521a |
| ncrc5704 | ncrc6303 | FCR1563 | FCR6258 | MIOA0608a | MIOA1988 | MIOA3408a | MIOA5544a | MIOA7526a |
| ncrc3493 | ncrc6296 | FCR1605 | FCR6414 | MIOA0713 | MIOA1990 | MIOA3478a | MIOA5551a | MIOA7548a |
| ncrc3576 | ncrc5796 | FCR1638 | FCR6463 | MIOA0714 | MIOA2123 | MIOA3511a | MIOA5603a | MIOA7604a |
| ncrc3652 | ncrc6022 | FCR1651 | FCR6476 | MIOA0729 | MIOA2186a | MIOA3536a | MIOA5760a | MIOA7623a |
| ncrc3437 | ncrc6431 | FCR1910 | FCR6556 | MIOA0835a | MIOA2191a | MIOA3537a | MIOA5765a | MIOA7950a |
| ncrc3518 | BFCN0180 | FCR2130 | FCR6795 | MIOA0851a | MIOA2243a | MIOA3557a | MIOA5852a | MIOA7982a |
| ncrc3825 | BFCN0254 | FCR2175 | FCR6798 | MIOA0875a | MIOA2257a | MIOA3734a | MIOA5928a | MIOA8015a |
| ncrc3833 | BFCS0277 | FCR2215 | FCR7010 | MIOA0929 | MIOA2276a | MIOA3759a | MIOA5935a | MIOA8030a |
| ncrc2278 | BFCS0368 | FCR2251 | FCR7044 | MIOA0931 | MIOA2293a | MIOA3791 | MIOA5976a | MIOA8062a |
| ncrc2263 | BFCW0235 | FCR2600 | FCR7274 | MIOA0944 | MIOA2296a | MIOA3831 | MIOA6049a | MIOA8109 |
| ncrc2271 | BFCW0406 | FCR2662 | FCR7280 | MIOA0967 | MIOA2324a | MIOA3844 | MIOA6058a | MIOA8115 |
| ncrc2458 | CR0025 | FCR2698 | FCR7361 | MIOA0981 | MIOA2326a | MIOA3846 | MIOA6063a | MIOA8165 |
| ncrc2316 | CR0046 | FCR2812 | FCR7407 | MIOA0998 | MIOA2397a | MIOA3851 | MIOA6127a | MIOA8193 |
| ncrc2383 | CR0074 | FCR3078 | fcrb0082 | MIOA1007 | MIOA2419a | MIOA3910a | MIOA6179a | MIOA8204 |
| ncrc3983 | CR0178 | FCR3119 | fcrb0959 | MIOA1102 | MIOA2486a | MIOA3982a | MIOA6323a | MIOA8235 |
| ncrc4140 | CR0180 | FCR3361 | hfcr0087 | MIOA1141 | MIOA2630 | MIOA4205 | MIOA6370a | MIOA8255 |
| ncrc4599 | CR0423 | FCR3460 | hfcr0688 | MIOA1157 | MIOA2643 | MIOA4211 | MIOA6437a | MIOA8303 |
| ncrc4686 | CR0641 | FCR3560 | hfcr0842 | MIOA1204 | MIOA2645 | MIOA4383a | MIOA6490a | MIOA8310 |
| ncrc4884 | FCR0116 | FCR3947N | hfcr1269 | MIOA1222m | MIOA2662a | MIOA4406 | MIOA6566a | MIOA8428 |
| ncrc5004 | FCR0170 | FCR4413 | hfcr1325 | MIOA1253 | MIOA2735a | MIOA4418 | MIOA6600a | MIOA8503 |
| ncrc5170 | FCR0208 | FCR4575 | hfcr1353 | MIOA1254 | MIOA2787a | MIOA4430 | MIOA6631a | MIOA8630 |
| ncrc5148 | FCR0209 | FCR4610 | HFCR3166 | MIOA1261 | MIOA2799a | MIOA4485a | MIOA6679a | MIOA8638 |
| ncrc5011 | FCR0263 | FCR4637 | HFCR3264 | MIOA1270 | MIOA2820a | MIOA4594a | MIOA6736a | MIOA8649 |
| ncrc5044 | FCR0312 | FCR4693 | hfcr3600 | MIOA1311 | MIOA2822a | MIOA4717 | MIOA6737a | MIOA8685 |
| ncrc4898 | FCR0328 | FCR4729 | hfcr3794 | MIOA1313a | MIOA2837a | MIOA4746 | MIOA6762a | MIOA8730 |
| ncrc5116 | FCR0625 | FCR4817 | hfcr3841 | MIOA1330a | MIOA2855a | MIOA4832a | MIOA6771a | MIOA8746 |
| ncrc1390 | FCR0649 | FCR4911 | hfcr3942 | MIOA1334a | MIOA2859a | MIOA4853a | MIOA6822a | MIOA8764 |
| ncrc4314 | FCR0654 | FCR4997 | hfcr4026 | MIOA1358a | MIOA2866a | MIOA4923a | MIOA6834a | MIOA8780 |
| ncrc4260 | FCR0834 | FCR5057 | hfcr4530 | MIOA1360a | MIOA2925a | MIOA4947a | MIOA6886a | MIOA9028 |
| ncrc5185 | FCR0839 | FCR5151 | MIOA0232a | MIOA1367a | MIOA2938a | MIOA5005a | MIOA6892a | MIOA9110 |
| ncrc5201 | FCR0865 | FCR5165 | MIOA0250a | MIOA1372a | MIOA2975a | MIOA5011a | MIOA6980a | MIOA9184 |
| ncrc5307 | FCR0888 | FCR5223 | MIOA0276 | MIOA1382a | MIOA3025a | MIOA5025a | MIOA7022a | mioa9226 |
| ncrc5459 | FCR0899 | FCR5246 | MIOA0327 | MIOA1460 | MIOA3043a | MIOA5031a | MIOA7034a | mioa9278 |
| ncrc5617 | FCR1009n | FCR5471 | MIOA0339 | MIOA1472 | MIOA3053a | MIOA5056a | MIOA7045a | mioa9339 |
| ncrc5642 | FCR1016 | FCR5479 | MIOA0373a | MIOA1474 | MIOA3057a | MIOA5129a | MIOA7158a | mioa9341 |
| ncrc5468 | FCR1048n | FCR5541 | MIOA0393a | MIOA1624a | MIOA3105a | MIOA5132a | MIOA7174a | mioa9369 |
| ncrc5383 | FCR1123 | FCR5959 | MIOA0420a | MIOA1681a | MIOA3107a | MIOA5163a | MIOA7193a | mioa9376 |

Figure 6A – Continued

| | | | | | | | | |
|----------|----------|----------|----------|-----------|-----------|-----------|-----------|----------|
| mioa9531 | miob6240 | ncr7676 | ncrb4218 | ncrc5031 | SEOA1506 | SEOA4385a | SEOA7431a | seob3896 |
| mioa9559 | miob6253 | ncr7728 | ncrb4243 | ncrc5552 | SEOA1620a | SEOA4462a | SEOA7488a | seob3919 |
| mioa9641 | miob6297 | ncr8536 | ncrb4622 | ncrc6104 | SEOA1638a | SEOA4473a | SEOA7550a | seob4070 |
| mioa9687 | miob6316 | ncr8548 | ncrb4693 | ncrc6959 | SEOA1645a | SEOA4506 | SEOA7586a | seob4164 |
| mioa9705 | miob6319 | ncr8716 | ncrb4887 | ncrc7002 | SEOA1652a | SEOA4521 | SEOA7621a | seob4232 |
| mioa9860 | miob6325 | ncr8757 | ncrb5277 | ncrc7010 | SEOA1705a | SEOA4540 | SEOA7939a | seob4291 |
| mioa9875 | miob6330 | ncr8792 | ncrb5300 | ncrc8947 | SEOA1712a | SEOA4590 | SEOA8312a | seob4337 |
| mioa9882 | miob6358 | ncr8871 | ncrb5364 | ncrc8952 | SEOA1757a | SEOA4689a | SEOA8368a | seob4345 |
| miob0046 | miob6463 | ncr8886 | ncrb5425 | ncrc9061 | SEOA1835a | SEOA4710a | SEOA8534 | seob4443 |
| miob0519 | miob6558 | ncr8904 | ncrb5452 | ncrc9161 | SEOA1921n | SEOA4854a | SEOA8613 | seob4517 |
| miob0765 | miob6675 | ncr8922 | ncrb5522 | ncrc9172 | SEOA1938n | SEOA5034a | SEOA9076 | seob4757 |
| miob0817 | miob6705 | ncr8941 | ncrb5534 | ncrc9182 | SEOA1985 | SEOA5158a | SEOA9137 | seob4758 |
| miob0892 | miob6716 | ncr9304 | ncrb5567 | ncrc9308 | SEOA2050 | SEOA5353 | SEOA9175 | seob5038 |
| miob0920 | miob6725 | ncr9461 | ncrb8095 | ncrc9318 | SEOA2055n | SEOA5438 | SEOA9188 | seob5121 |
| miob0921 | miob6853 | ncr9486 | ncrb8368 | ncrc9349 | SEOA2843 | SEOA5573a | SEOA9224 | seob5249 |
| miob0945 | miob6857 | ncrb0031 | ncrb8480 | ncrc9535 | SEOA2915a | SEOA5587a | SEOA9427 | seob5266 |
| miob1316 | miob6872 | ncrb0057 | ncrb8617 | SEOA0043 | SEOA2920a | SEOA5659a | SEOA9459 | seob5311 |
| miob1726 | miob6995 | ncrb0139 | ncrb8778 | seoa0095m | SEOA2965a | SEOA5718a | SEOA9495 | seob5440 |
| miob1810 | miob7024 | ncrb0217 | ncrb8791 | SEOA0131 | SEOA3013a | SEOA5788 | SEOA9606 | seob5678 |
| miob1815 | miob7027 | ncrb0311 | ncrc1057 | SEOA0164a | SEOA3077a | SEOA5854 | SEOA9640 | seob5823 |
| miob1822 | ncr0534 | ncrb0344 | ncrc1169 | SEOA0175a | SEOA3085a | SEOA5928 | SEOA9725 | seob5834 |
| MIOB2630 | ncr1016 | ncrb0437 | ncrc1509 | SEOA0195A | SEOA3110a | SEOA5959 | SEOA9748 | seob5846 |
| MIOB2636 | ncr1025 | ncrb0481 | ncrc1783 | SEOA0246a | SEOA3126a | SEOA5983a | SEOA9825 | seob6308 |
| MIOB2781 | ncr1142 | ncrb0522 | ncrc1839 | SEOA0251a | SEOA3183 | SEOA5987a | SEOA9878 | seob6390 |
| miob3791 | ncr1317 | ncrb0563 | ncrc1924 | SEOA0287 | SEOA3277n | SEOA5997a | SEOB0004 | seob6548 |
| miob4505 | ncr1552 | ncrb2036 | ncrc2160 | SEOA0421 | SEOA3291 | SEOA6002a | SEOB0087 | seob6783 |
| miob4526 | ncr1787 | ncrb2059 | ncrc2177 | SEOA0513 | SEOA3446a | SEOA6020a | SEOB0090 | seob6813 |
| miob4589 | ncr1793 | ncrb2104 | ncrc2224 | SEOA0582 | SEOA3509a | SEOA6205a | SEOB0198 | seob6843 |
| miob4600 | ncr1971 | ncrb2118 | ncrc2588 | SEOA0590a | SEOA3530a | SEOA6283 | SEOB0274 | seob7002 |
| miob4682 | ncr2657 | ncrb2181 | ncrc2667 | SEOA0614a | SEOA3535a | SEOA6290 | SEOB1123 | seob7099 |
| miob4688 | ncr2731 | ncrb2242 | ncrc2716 | SEOA0806 | SEOA3540a | SEOA6307 | SEOB1129 | seob7405 |
| miob4774 | ncr2844 | ncrb2261 | ncrc2769 | SEOA0843 | SEOA3564a | SEOA6408 | SEOB1314 | seob7439 |
| miob4843 | ncr3864 | ncrb2330 | ncrc2775 | SEOA0886 | SEOA3642a | SEOA6478a | SEOB1401 | seob7905 |
| miob4908 | ncr3935 | ncrb2361 | ncrc2819 | SEOA0892 | SEOA3703a | SEOA6569a | SEOB1547 | seob7934 |
| miob4915 | ncr3970 | ncrb2453 | ncrc2945 | SEOA0942 | SEOA3715a | SEOA6639a | SEOB1573 | seob8269 |
| miob4930 | ncr3997 | ncrb2787 | ncrc3115 | SEOA0989 | SEOA3883 | SEOA6716 | SEOB1593 | seob8324 |
| miob4937 | ncr4107 | ncrb2838 | ncrc3177 | SEOA1115a | SEOA3884 | SEOA6909 | SEOB1626 | seob8339 |
| miob4958 | ncr4222 | ncrb2862 | ncrc3227 | SEOA1151a | SEOA3897 | SEOA6917 | SEOB1704 | SOA0667 |
| miob4978 | ncr5318 | ncrb3663 | ncrc3797 | SEOA1275a | SEOA3942a | SEOA7087a | SEOB2076 | |
| miob5006 | ncr5867 | ncrb3997 | ncrc4024 | SEOA1283a | SEOA3980a | SEOA7183a | SEOB2798 | |
| miob5095 | ncr5912 | ncrb4002 | ncrc4515 | SEOA1339n | SEOA4189a | SEOA7384a | SEOB3100 | |
| miob5101 | ncr7495 | ncrb4104 | ncrc4621 | SEOA1423a | SEOA4247a | SEOA7401a | seob3646 | |
| miob6102 | ncr7508 | ncrb4173 | ncrc4720 | SEOA1475 | SEOA4248a | SEOA7430a | seob3709 | |

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| | | | | | | | | |
|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| ncrc3404 | hfc1723 | MIOA0495 | MIOA1742 | MIOA2305a | MIOA3067a | MIOA3900a | MIOA4899a | mioa5683n |
| ncrc3455 | hfc1764 | MIOA0643n | MIOA1781 | MIOA2349a | MIOA3244a | MIOA3929a | MIOA5155a | MIOA5733a |
| FCR0872 | hfc1862 | MIOA0779 | MIOA1943a | MIOA2401a | MIOA3250a | MIOA4049a | MIOA5164a | MIOA5746a |
| FCR1701 | HFCR3211 | MIOA0847a | MIOA1957a | MIOA2462a | MIOA3385a | MIOA4142 | MIOA5211a | MIOA5888a |
| FCR1932 | hfc4316 | MIOA0997n | MIOA1959a | MIOA2761a | MIOA3423a | MIOA4368a | MIOA5297a | MIOA5904a |
| FCR1973 | hfc5399 | mioa1042m | MIOA1968a | MIOA2827a | MIOA3433a | MIOA4373a | MIOA5401a | MIOA5953a |
| FCR3094 | hfc6812 | MIOA1122 | MIOA1969a | MIOA2875a | MIOA3461a | MIOA4547a | MIOA5506a | MIOA6085a |
| FCR5537 | hfc9913 | MIOA1224m | MIOA2001n | MIOA2904a | MIOA3502a | MIOA4566a | MIOA5581a | MIOA6214a |
| FCR6007 | MIOA0295 | MIOA1260 | MIOA2034 | MIOA2921a | MIOA3595a | MIOA4689 | MIOA5623a | MIOA6282a |
| fcrb2581 | MIOA0344 | MIOA1536 | MIOA2102 | MIOA3036a | MIOA3601a | MIOA4851a | MIOA5652 | MIOA6288a |

Figure 8A – Continued

| | | | | | | | | |
|-----------|----------|----------|-----------|-----------|-----------|-----------|-----------|----------|
| MIOA6448a | miob0421 | miob5953 | ncrc5729 | SEOA2556 | SEOA5901 | SEOA8248 | SEOB1244 | seob4474 |
| MIOA6547a | miob0502 | miob5973 | ncrc6440 | SEOA2586 | SEOA5940 | SEOA8258 | SEOB1252 | seob4482 |
| MIOA6613a | MI0B0574 | miob6051 | ncrc6707 | SEOA2676n | SEOA5970a | SEOA8369a | SEOB1296 | seob4483 |
| MIOA6622a | miob0824 | miob6308 | ncrc6864 | SEOA2756 | SEOA6026a | SEOA8381a | SEOB1297 | seob4564 |
| MIOA6632a | miob0831 | miob6557 | ncrc8933 | SEOA2804 | SEOA6089a | SEOA8382a | SEOB1476 | seob4598 |
| MIOA6672a | miob0880 | miob6565 | ncrc9178 | SEOA2848 | SEOA6097a | SEOA8394a | SEOB1615 | seob4634 |
| MIOA6744a | miob0980 | miob6596 | ncrc9313 | SEOA3098a | SEOA6101a | SEOA8462 | SEOB1627 | seob4661 |
| MIOA6867a | miob0997 | miob6650 | ncrc9743 | SEOA3165 | SEOA6252 | SEOA8590 | SEOB1642 | seob4694 |
| MIOA6934a | miob1010 | miob6672 | SEOA0018 | SEOA3228 | SEOA6330 | SEOA8603 | SEOB1681 | seob4720 |
| MIOA7067a | miob1065 | miob6775 | SEOA0019 | SEOA3348a | SEOA6381 | SEOA8644 | SEOB1691 | seob4730 |
| MIOA7125a | miob1103 | miob6845 | SEOA0025 | SEOA3363a | SEOA6468a | SEOA8657 | SEOB1708 | seob4772 |
| MIOA7153a | miob1168 | miob6918 | SEOA0035 | SEOA3388a | SEOA6548a | SEOA8698 | SEOB1712 | seob4839 |
| MIOA7162a | miob1227 | miob6985 | seoa0097m | SEOA3468a | SEOA6561a | SEOA8706 | SEOB1727 | seob4852 |
| MIOA7192a | miob1258 | miob7022 | SEOA0143 | SEOA3492a | SEOA6585a | SEOA8739 | SEOB1768 | seob4931 |
| MIOA7224a | miob1310 | ncr1668 | SEOA0291 | SEOA3513a | SEOA6631a | SEOA8784 | SEOB1780 | seob4933 |
| MIOA7243a | miob1716 | ncr1917 | SEOA0294 | SEOA3616a | SEOA6707 | SEOA8840 | SEOB1827 | seob4962 |
| MIOA7256a | miob1751 | ncr3076 | SEOA0408 | SEOA3722a | seoa6765 | SEOA8904 | SEOB1887 | seob4985 |
| MIOA7296 | miob1792 | ncr5017 | SEOA0428 | SEOA3765a | seoa6792 | SEOA8907 | SEOB1929 | seob5011 |
| MIOA7407a | miob1824 | ncr5233 | SEOA0431 | seoa3899n | SEOA6877 | SEOA8954 | SEOB1945 | seob5158 |
| MIOA7414a | miob1846 | ncr5699 | SEOA0454 | SEOA4086 | SEOA6902 | SEOA8966 | SEOB2049 | seob5221 |
| MIOA7447a | miob1887 | ncr5919 | SEOA0802 | SEOA4094 | seoa6957 | SEOA9013 | SEOB2065 | seob5340 |
| MIOA7527a | MI0B2232 | ncr6650 | SEOA0825 | SEOA4095 | seoa6992 | SEOA9185 | SEOB2102 | seob5374 |
| MIOA7543a | MI0B2306 | ncr7006 | SEOA0859 | SEOA4208a | seoa6994 | SEOA9219 | SEOB2118 | seob5393 |
| mioa7640a | MI0B2309 | ncr7244 | SEOA0868 | SEOA4302a | seoa6995 | SEOA9401 | SEOB2178 | seob5444 |
| mioa7815a | miob2411 | ncr7454 | SEOA0924 | SEOA4350a | seoa7009 | SEOA9432 | SEOB2180 | seob5534 |
| MIOA7994a | miob2455 | ncr7749 | SEOA0929n | SEOA4378a | seoa7041 | SEOA9433 | SEOB2189 | seob5563 |
| MIOA7997a | miob2522 | ncr8684 | SEOA1001 | SEOA4379a | SEOA7117a | SEOA9486 | seob2543 | seob5653 |
| MIOA8331 | MI0B2673 | ncr8701 | SEOA1013n | SEOA4714a | SEOA7170a | SEOA9492 | seob2568 | seob5666 |
| MIOA8333 | miob3063 | ncr9925 | SEOA1057a | SEOA4723a | SEOA7180a | SEOA9510 | seob2593 | seob5695 |
| MIOA8376 | miob3085 | ncrb0585 | SEOA1113a | SEOA4728a | SEOA7264a | SEOA9586 | seob2624 | seob5708 |
| MIOA8446 | miob3170 | ncrb0754 | SEOA1131a | SEOA4751a | SEOA7290a | SEOA9617 | SEOB2690 | seob5723 |
| MIOA8466 | miob3210 | ncrb2341 | SEOA1139a | SEOA4765a | SEOA7293a | SEOA9628 | SEOB2808 | seob5858 |
| MIOA8543 | miob3325 | ncrb2581 | SEOA1328 | SEOA4805a | SEOA7325a | SEOA9716 | SEOB2989 | seob5902 |
| MIOA8558 | miob3466 | ncrb2853 | SEOA1332 | SEOA4819a | SEOA7333a | SEOA9834 | SEOB3042 | seob5977 |
| MIOA8651 | miob3608 | ncrb3086 | SEOA1383 | seoa4894a | SEOA7364a | SEOA9905 | SEOB3099 | seob6037 |
| MIOA8776 | miob3652 | ncrb3384 | SEOA1461a | seoa4986a | SEOA7418a | SEOA9946 | SEOB3134 | seob6075 |
| MIOA8853 | miob3770 | ncrb3799 | SEOA1505 | SEOA5025a | SEOA7429a | SEOB0050 | SEOB3206 | seob6090 |
| MIOA8887 | miob3812 | ncrb4570 | SEOA1554 | SEOA5086a | SEOA7497a | SEOB0056 | SEOB3227 | seob6111 |
| MIOA8960 | miob3901 | ncrb4943 | SEOA1602a | SEOA5107a | SEOA7515a | SEOB0057 | seob3267n | seob6149 |
| MIOA9012 | miob4149 | ncrb5396 | SEOA1609a | SEOA5143a | SEOA7532a | SEOB0115 | SEOB3319 | seob6244 |
| MIOA9032 | miob4177 | ncrb5681 | SEOA1681a | SEOA5244a | SEOA7558a | SEOB0213 | SEOB3351 | seob6364 |
| MIOA9084 | miob4336 | ncrb5883 | SEOA1837a | SEOA5290a | SEOA7562a | SEOB0233 | SEOB3476 | seob6495 |
| MIOA9143 | miob4439 | ncrb5949 | SEOA1890n | SEOA5380 | SEOA7588a | SEOB0255 | SEOB3541 | seob6554 |
| mioa9464 | miob4459 | ncrb6596 | SEOA1949 | SEOA5390 | seoa7734a | SEOB0260 | SEOB3571 | seob6579 |
| mioa9592 | miob4516 | ncrb7373 | SEOA1961a | SEOA5428 | SEOA7894a | SEOB0273 | SEOB3575 | seob6589 |
| mioa9669 | miob4550 | ncrc1093 | SEOA1981a | SEOA5443 | SEOA7900a | SEOB0357 | seob3665 | seob6590 |
| mioa9676 | miob4652 | ncrc1909 | SEOA1990 | SEOA5458 | SEOA7947a | SEOB0381 | seob3679 | seob6592 |
| mioa9684 | miob4890 | ncrc2017 | SEOA2074n | SEOA5500a | SEOA7949a | SEOB0485 | seob3690 | seob6597 |
| mioa9771 | miob5111 | ncrc2423 | SEOA2075n | SEOA5512a | seoa7985 | SEOB0520 | seob3855 | seob6614 |
| mioa9796 | miob5652 | ncrc2620 | SEOA2080n | SEOA5513a | seoa8048 | SEOB0574 | seob3958 | seob6699 |
| mioa9946 | miob5655 | ncrc2662 | SEOA2094 | SEOA5581a | seoa8059 | SEOB0618 | seob3965 | seob6789 |
| miob0025 | miob5705 | ncrc2872 | SEOA2102n | SEOA5585a | seoa8078 | SEOB0875a | seob4062 | seob6794 |
| miob0108 | miob5739 | ncrc3127 | SEOA2171 | SEOA5674a | seoa8141 | SEOB1019 | seob4268 | seob6802 |
| miob0195 | miob5819 | ncrc4787 | SEOA2220a | SEOA5704a | seoa8160 | seob1055 | seob4304 | seob6846 |
| miob0241 | miob5864 | ncrc5083 | SEOA2268a | SEOA5724a | SEOA8201a | SEOB1072 | seob4423 | seob7182 |
| miob0272n | miob5909 | ncrc5496 | SEOA2350a | SEOA5840 | SEOA8233 | SEOB1148 | seob4457 | seob7228 |

Figure 6A – Continued

| | | | | | | | | |
|----------|----------|----------|----------|---------|---------|---------|---------|---------|
| seob7292 | seob7715 | seob8317 | SOA0147 | SOA0262 | SOA0331 | SOA0450 | SOA0527 | SOA0651 |
| seob7333 | seob7745 | SOA0046 | soa0204n | SOA0263 | SOA0334 | SOA0464 | SOA0532 | SOA0662 |
| seob7398 | seob7873 | SOA0064 | SOA0229 | SOA0289 | SOA0354 | SOA0491 | SOA0549 | SOA0715 |
| seob7412 | seob7962 | SOA0107 | SOA0233 | SOA0304 | SOA0372 | SOA0495 | SOA0575 | |
| seob7441 | seob8250 | SOA0117 | SOA0239 | SOA0319 | SOA0381 | SOA0518 | SOA0580 | |
| seob7632 | seob8284 | SOA0138 | SOA0242 | SOA0328 | SOA0436 | SOA0526 | SOA0598 | |

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|-----------|-----------|-----------|-----------|-----------|----------|----------|----------|-----------|
| ncrc2471 | MIOA1029 | MIOA4012a | MIOA7050a | miob0775 | miob4289 | ncr3658 | ncrb0316 | ncrb8627 |
| ncrc2332 | MIOA1083 | MIOA4033a | MIOA7175a | miob0979 | miob4310 | ncr3720 | ncrb0761 | ncrc0009 |
| ncrc2494 | mioa1111m | MIOA4055a | MIOA7301 | miob0981 | miob4332 | ncr3829 | ncrb0842 | ncrc0099 |
| ncrc2308 | mioa1119m | MIOA4073a | MIOA7318 | miob0988 | miob4341 | ncr3990 | ncrb0877 | ncrc0354 |
| ncrc2460 | MIOA1164 | MIOA4174 | MIOA7444a | miob1017 | miob4430 | ncr4051 | ncrb1125 | ncrc0360 |
| ncrc4097 | MIOA1223m | MIOA4225 | MIOA7456a | miob1036 | miob4456 | ncr4125 | ncrb1459 | ncrc0563 |
| ncrc4216 | MIOA1227 | MIOA4284 | MIOA7487a | miob1078 | miob4578 | ncr4794 | ncrb1617 | ncrc0659 |
| ncrc4690 | MIOA1284 | MIOA4333a | MIOA7632a | miob1128 | miob4621 | ncr4805 | ncrb1986 | ncrc0785 |
| ncrc4695 | MIOA1333a | MIOA4340a | mioa7758a | miob1160 | miob4641 | ncr4863 | ncrb2115 | ncrc1030 |
| ncrc5323 | MIOA1475 | MIOA4356a | mioa7767a | miob1197 | miob4856 | ncr4965 | ncrb2251 | ncrc1055 |
| ncrc5437 | MIOA1487 | MIOA4393 | mioa7861 | miob1299 | miob4936 | ncr5120 | ncrb2258 | ncrc1131 |
| ncrc5820 | MIOA1540 | MIOA4400 | mioa7869 | miob1380 | miob5032 | ncr5630 | ncrb2362 | ncrc1163 |
| ncrc6289 | MIOA1575 | MIOA4415 | MIOA8108 | MIOB1504 | miob5120 | ncr5861 | ncrb2868 | ncrc1198 |
| ncrc5913 | MIOA1615a | MIOA4488a | MIOA8110 | miob1537n | miob5410 | ncr6003 | ncrb3924 | ncrc1363 |
| ncrc5987 | MIOA1846a | MIOA4520a | MIOA8230 | miob1834 | miob5418 | ncr6269 | ncrb3941 | ncrc1415 |
| BFCW0415 | MIOA1983a | MIOA4536a | MIOA8236 | miob1840 | miob5741 | ncr6272 | ncrb4037 | ncrc1628 |
| FCR1431 | MIOA1989 | MIOA4544a | mioa8296n | miob1916 | miob5808 | ncr6425 | ncrb4093 | ncrc1647 |
| FCR3727 | MIOA2018 | MIOA4581a | MIOA8347 | miob1920 | miob6068 | ncr6651 | ncrb4190 | ncrc1967 |
| FCR4086 | mioa2047m | MIOA4603a | MIOA8710 | miob1959 | miob6141 | ncr6921 | ncrb4539 | ncrc2119 |
| FCR5247 | MIOA2089 | MIOA4624a | MIOA8786 | MIOB2113 | miob6345 | ncr6983 | ncrb4756 | ncrc2144 |
| FCR5863 | MIOA2113 | MIOA4740 | MIOA8800 | MIOB2159 | miob6362 | ncr7027 | ncrb4805 | ncrc2151 |
| FCR6461 | MIOA2217a | MIOA5000a | MIOA8947 | MIOB2310 | miob6366 | ncr7033 | ncrb4918 | ncrc2734 |
| FCR6725 | MIOA2358a | MIOA5035a | MIOA9005 | miob2409 | miob6540 | ncr7119 | ncrb5016 | ncrc2848 |
| FCR7502 | MIOA2420a | MIOA5102a | MIOA9015 | MIOB2551 | miob6620 | ncr7131 | ncrb5046 | ncrc2891 |
| FCR7511 | MIOA2435a | MIOA5158a | mioa9291 | MIOB2609 | miob6657 | ncr7250 | ncrb5128 | ncrc2956 |
| fcrb0585 | MIOA2465a | MIOA5181a | mioa9347 | MIOB2682 | miob6801 | ncr7409 | ncrb5228 | ncrc3083 |
| fcrb1768 | MIOA2549a | MIOA5218a | mioa9365 | miob3020 | miob6958 | ncr7568 | ncrb5296 | ncrc3782 |
| hfc0299 | MIOA2754a | MIOA5371a | mioa9445 | miob3080 | miob6964 | ncr7936 | ncrb5323 | ncrc3911 |
| hfc6553 | MIOA2930a | MIOA5474a | mioa9551 | miob3117 | ncr0081 | ncr8005 | ncrb5477 | ncrc5036 |
| MIOA0057a | MIOA3014a | MIOA5510a | mioa9558 | miob3146 | ncr0157 | ncr8083 | ncrb5650 | ncrc5289 |
| MIOA0058a | MIOA3096a | MIOA5545a | mioa9677 | miob3265 | ncr0239 | ncr8287 | ncrb5689 | ncrc5713 |
| MIOA0087a | MIOA3233a | MIOA5552a | mioa9695 | miob3326 | ncr0343 | ncr8392 | ncrb6121 | ncrc5781 |
| MIOA0284 | MIOA3419a | MIOA5645a | mioa9847 | miob3349 | ncr0598 | ncr8519 | ncrb6239 | ncrc6239 |
| MIOA0375a | MIOA3464a | MIOA5654 | mioa9890 | miob3389 | ncr1139 | ncr8898 | ncrb6574 | ncrc6790 |
| MIOA0526 | MIOA3518a | MIOA5837a | mioa9905 | miob3462 | ncr1295 | ncr9035 | ncrb6736 | ncrc6843 |
| MIOA0593a | MIOA3545a | MIOA5997a | mioa9950 | miob3553 | ncr1315 | ncr9349 | ncrb6737 | ncrc6915 |
| MIOA0652 | MIOA3552a | MIOA6114a | mioa9953 | miob3629 | ncr1532 | ncr9360 | ncrb6763 | ncrc6985 |
| MIOA0742 | MIOA3591a | MIOA6134a | miob0019n | miob3800 | ncr1709 | ncr9368 | ncrb6768 | ncrc9057 |
| MIOA0773 | MIOA3626a | MIOA6314a | miob0129 | miob3813 | ncr1763 | ncr9388 | ncrb6825 | ncrc9201 |
| MIOA0808 | MIOA3628a | MIOA6521a | miob0156 | miob3820 | ncr1767 | ncr9398 | ncrb6938 | ncrc9369 |
| MIOA0821 | MIOA3711a | MIOA6684a | miob0181 | miob3824 | ncr1792 | ncr9433 | ncrb7428 | ncrc9548 |
| MIOA0839a | MIOA3716a | MIOA6687a | MIOB0331 | miob3854 | ncr1869 | ncr9556 | ncrb7633 | ncrc9694 |
| MIOA0844a | MIOA3763 | MIOA6732a | miob0434 | miob3880 | ncr2070 | ncr9799 | ncrb7663 | ncrc9763 |
| MIOA0904a | MIOA3777 | MIOA6818a | miob0454 | miob3886 | ncr2094 | ncr9850 | ncrb7978 | ncrc9865 |
| MIOA0927a | MIOA3849 | MIOA6855a | MIOB0556 | miob4043 | ncr3030 | ncrb0116 | ncrb8339 | SEOA0448 |
| MIOA0946 | MIOA3850 | MIOA6899a | miob0678 | miob4167 | ncr3356 | ncrb0216 | ncrb8351 | SEOA0458n |
| MIOA0990n | MIOA3866 | MIOA7031a | miob0725 | miob4252 | ncr3502 | ncrb0260 | ncrb8525 | SEOA0547A |

Figure 6A – Continued

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|-----------|-----------|-----------|-----------|-----------|----------|----------|----------|----------|
| SEOA0876 | SEOA2062 | SEOA4449a | SEOA6391 | SEOA9068 | SEOB1797 | SEOB3470 | seob4970 | seob7020 |
| SEOA0938n | SEOA2113n | SEOA4581 | SEOA6531a | SEOA9132 | SEOB1826 | SEOB3511 | seob5176 | seob7107 |
| SEOA0952 | SEOA2114 | SEOA4612a | seoa6803 | SEOA9675 | SEOB1902 | seob3603 | seob5253 | seob7277 |
| SEOA1048a | SEOA2289a | SEOA4669a | SEOA6927 | SEOA9769 | SEOB1966 | seob3738 | seob5328 | seob8154 |
| SEOA1112a | SEOA2522 | SEOA4707a | SEOA7132a | SEOA9891 | SEOB1994 | seob4021 | seob5352 | seob8209 |
| SEOA1258A | SEOA2568 | SEOA4794a | SEOA7260a | SEOB0015 | SEOB2043 | seob4049 | seob5744 | seob8225 |
| SEOA1260A | SEOA2720 | SEOA4836a | SEOA7468a | SEOB0374 | SEOB2110 | seob4154 | seob5755 | seob8264 |
| SEOA1371 | SEOA3001a | SEOA5296a | SEOA7575a | SEOB0434 | SEOB2159 | seob4243 | seob5895 | SOA0132 |
| SEOA1395 | SEOA3288 | SEOA5300a | SEOA7627a | SEOB0437 | SEOB2737 | seob4272 | seob6099 | SOA0163 |
| SEOA1695a | SEOA3294 | SEOA5386 | seoa7991 | SEOB0607 | SEOB2770 | seob4366 | seob6175 | SOA0330 |
| SEOA1696a | SEOA3329a | SEOA5491a | seoa8007 | SEOB0611 | SEOB2809 | seob4411 | seob6213 | SOA0332 |
| SEOA1792a | SEOA3551a | SEOA5539a | SEOA8166a | SEOB0657a | SEOB3112 | seob4444 | seob6405 | SOA0419 |
| SEOA1891 | SEOA3572a | SEOA5882 | SEOA8211 | SEOB0712a | SEOB3127 | seob4491 | seob6607 | SOA0421 |
| seoa1928n | SEOA3718a | SEOA5885 | SEOA8220 | SEOB0933 | SEOB3397 | seob4508 | seob6648 | SOA0444 |
| SEOA1988a | SEOA3739a | SEOA5957 | SEOA8367a | SEOB1246 | SEOB3403 | seob4594 | seob6756 | SOA0634 |
| SEOA2001 | SEOA4078 | SEOA6023a | SEOA8601 | SEOB1453 | SEOB3426 | seob4707 | seob6763 | |
| SEOA2028 | SEOA4201a | SEOA6067a | SEOA8949 | SEOB1750 | SEOB3441 | seob4742 | seob6774 | |

5. collagen type III alpha 1 (COL3A1)X06700| 563

| | | | | | | | | |
|----------|-----------|-----------|----------|----------|----------|-----------|-----------|------------|
| ncrc3869 | fcrb2526 | MIOA1755 | mioa9726 | miob5994 | ncrb0075 | ncrc4942 | SEOA1350 | SEOA2739 |
| ncrc3938 | fcrb2571 | MIOA2027 | mioa9732 | miob6047 | ncrb0396 | ncrc5253 | SEOA1351 | seoa2776m |
| ncrc4044 | hfcr0322 | MIOA2194a | miob0023 | miob6404 | ncrb0451 | ncrc5999 | SEOA1411a | SEOA2794 |
| BFC50050 | hfcr0937 | MIOA2241a | miob0048 | miob6446 | ncrb0807 | ncrc6063 | SEOA1416a | SEOA2828 |
| BFC50241 | hfcr0942 | MIOA2390a | miob0163 | miob6555 | ncrb0881 | ncrc6203 | SEOA1424a | SEOA2856 |
| CR0140 | hfcr1380 | MIOA2507a | miob0346 | miob6738 | ncrb1302 | ncrc6997 | SEOA1444a | SEOA2940a |
| CR0477 | hfcr1403 | MIOA2727a | miob0428 | miob6819 | ncrb1377 | ncrc9252 | SEOA1492n | SEOA2945a |
| CR0550 | hfcr1700 | MIOA2850a | miob0707 | miob7017 | ncrb2038 | ncrc9669 | SEOA1590a | SEOA2946a |
| FCR0036n | hfcr1766 | MIOA2872a | miob1095 | ncr0369 | ncrb2636 | ncrc9866 | SEOA1703a | SEOA3019a |
| FCR0230 | hfcr2556 | MIOA3382a | miob1369 | ncr0947 | ncrb3087 | ncrc9955 | SEOA1833a | SEOA3111a |
| FCR0247 | hfcr3658 | MIOA3434a | MIOB1566 | ncr1246 | ncrb3377 | SEOA0042 | SEOA1869a | SEOA3134a |
| FCR0292 | hfcr3748 | MIOA3526a | miob1723 | ncr1302 | ncrb3408 | SEOA0075n | SEOA1894 | seoa3168mn |
| FCR1146 | hfcr4677 | MIOA3935a | miob1765 | ncr1590 | ncrb3890 | SEOA0154 | SEOA1916n | SEOA3198 |
| FCR1210 | hfcr5396 | MIOA4011a | miob1781 | ncr1637 | ncrb4532 | SEOA0283 | SEOA1946 | SEOA3200 |
| FCR1457 | hfcr6514 | MIOA4306a | miob1791 | ncr1726 | ncrb4576 | SEOA0309 | SEOA2016 | SEOA3264 |
| FCR1477 | hfcr6773 | MIOA4945a | miob1960 | ncr2612 | ncrb5116 | SEOA0328 | seoa2077n | SEOA3319a |
| FCR1972 | hfcr9154 | MIOA5046a | MIOB2090 | ncr3239 | ncrb5304 | SEOA0335 | seoa2123m | SEOA3340a |
| FCR2683 | hfcr9185 | MIOA5143a | miob2391 | ncr3292 | ncrb5640 | seoa0342m | SEOA2170 | SEOA3349a |
| FCR3158 | hfcr9567 | MIOA5534a | miob2504 | ncr3688 | ncrb5831 | SEOA0505 | SEOA2199a | SEOA3425a |
| FCR3171 | hfcr9599 | MIOA5844a | miob2540 | ncr4128 | ncrb6214 | SEOA0506 | SEOA2205a | SEOA3430a |
| FCR4051 | hfcr9842 | MIOA6168a | MIOB2674 | ncr4615 | ncrb6359 | SEOA0580 | SEOA2227a | SEOA3546a |
| FCR4117 | MIOA0103 | MIOA6222a | MIOB2746 | ncr5171 | ncrb6457 | SEOA0722a | SEOA2258a | SEOA3559a |
| FCR4280 | MIOA0178 | mioa6246a | miob3045 | ncr5846 | ncrb6732 | SEOA0789 | SEOA2273a | SEOA3643a |
| FCR5090 | MIOA0331 | MIOA7341a | miob3101 | ncr6854 | ncrb6890 | SEOA0814 | SEOA2284a | SEOA3654a |
| FCR5942 | MIOA0368a | MIOA7416a | miob3613 | ncr6880 | ncrb7367 | SEOA0877 | SEOA2390a | SEOA3678a |
| FCR6219 | MIOA0372a | MIOA7488a | miob3739 | ncr7395 | ncrb7578 | SEOA0908 | SEOA2462a | SEOA3685a |
| FCR7282 | MIOA0392a | MIOA7610a | miob3855 | ncr7452 | ncrb7912 | SEOA0943 | SEOA2476 | SEOA3686a |
| fcrb0298 | MIOA0464 | mioa7891 | miob4016 | ncr7688 | ncrc0610 | SEOA0946 | SEOA2532 | SEOA3695a |
| fcrb0305 | MIOA0500 | MIOA8305 | miob4087 | ncr8154 | ncrc1786 | SEOA0984 | SEOA2548 | SEOA3702a |
| fcrb0408 | MIOA0598a | MIOA8337 | miob4403 | ncr8249 | ncrc1887 | seoa1014m | SEOA2557 | SEOA3759a |
| fcrb0434 | MIOA0722 | MIOA8405 | miob4446 | ncr8556 | ncrc1937 | SEOA1024 | SEOA2588 | SEOA3774a |
| fcrb1303 | MIOA0846a | MIOA8618 | miob4512 | ncr8685 | ncrc2129 | SEOA1094a | SEOA2615 | SEOA3879 |
| fcrb1486 | MIOA0982 | MIOA8968 | miob4870 | ncr8992 | ncrc3003 | SEOA1107a | SEOA2645 | SEOA3900 |
| fcrb1589 | MIOA1000 | MIOA9119 | miob5740 | ncr9211 | ncrc3034 | SEOA1315 | SEOA2649 | SEOA3948a |
| fcrb2097 | MIOA1453 | mioa9230 | miob5874 | ncr9299 | ncrc4356 | SEOA1321 | seoa2688m | SEOA4038a |
| fcrb2505 | MIOA1722a | mioa9567 | miob5890 | ncr9764 | ncrc4799 | SEOA1330 | SEOA2712 | SEOA4052a |

Figure 6A – Continued

| | | | | | | | | |
|-----------|-----------|-----------|-----------|-----------|----------|----------|----------|----------|
| SEO44072 | SEO45485a | SEO46653a | SEO48189a | SEOB0269 | SEOB1838 | SEOB3359 | seob5177 | seob6453 |
| SEO44115a | SEO45515a | SEO46699a | SEO48241 | SEOB0312 | SEOB1873 | SEOB3423 | seob5184 | seob6575 |
| SEO44199a | SEO45722a | SEO46727 | SEO48307a | SEOB0314 | SEOB1897 | SEOB3457 | seob5198 | seob6611 |
| SEO44205a | SEO45732a | SEO46735 | SEO48309a | seob0331n | SEOB2173 | seob3676 | seob5231 | seob6694 |
| SEO44253a | SEO45737a | SEO46737 | SEO48315a | SEOB0431 | SEOB2206 | seob3688 | seob5417 | seob6745 |
| SEO44263a | SEO45745a | seoa6769 | SEO48554 | SEOB0440 | SEOB2246 | seob4012 | seob5456 | seob6769 |
| SEO44305a | SEO45756a | seoa6798 | SEO48599 | SEOB0577 | SEOB2270 | seob4051 | seob5550 | seob6792 |
| SEO44341a | SEO45808 | seoa6812 | SEO48637 | SEOB0671a | SEOB2293 | seob4074 | seob5565 | seob6873 |
| SEO44342a | SEO45821 | SEO46893 | SEO48681 | SEOB0726 | seob2314 | seob4083 | seob5600 | seob7081 |
| SEO44450a | SEO45878 | seoa6952 | SEO48830 | SEOB0835a | seob2587 | seob4096 | seob5620 | seob7163 |
| SEO44542 | SEO45883 | seoa6987 | SEO48964 | SEOB0904a | seob2599 | seob4153 | seob5663 | seob7254 |
| SEO44573 | SEO45919 | seoa7027 | SEO48992 | SEOB0959 | seob2614 | seob4226 | seob5752 | seob7336 |
| SEO44578 | SEO45920 | SEO47237a | SEO49311 | SEOB1073 | seob2625 | seob4242 | seob5766 | seob7407 |
| SEO44690a | SEO45966 | SEO47280a | SEO49315 | SEOB1077 | SEOB2635 | seob4503 | seob5845 | seob7434 |
| SEO44744a | SEO45989a | SEO47285a | SEO49371 | SEOB1253 | SEOB2683 | seob4506 | seob5871 | seob7447 |
| SEO44759a | SEO46021a | SEO47319a | SEO49420 | SEOB1327 | SEOB2705 | seob4526 | seob5990 | seob7482 |
| seoa4909a | SEO46042a | SEO47520a | SEO49451 | SEOB1349 | SEOB2711 | seob4622 | seob6029 | seob7568 |
| seoa4981a | SEO46063a | SEO47569a | SEO49534 | SEOB1398 | SEOB2751 | seob4648 | seob6057 | seob7604 |
| SEO45004a | SEO46073a | SEO47600a | SEO49557 | SEOB1434 | SEOB2921 | seob4719 | seob6091 | seob7703 |
| SEO45037a | SEO46139a | SEO47613a | SEO49576 | SEOB1437 | SEOB2999 | seob4785 | seob6147 | seob8022 |
| SEO45063a | SEO46148a | SEO47638a | SEO49601 | SEOB1499 | SEOB3059 | seob4797 | seob6243 | seob8042 |
| SEO45135a | SEO46151 | seoa7679a | SEO49629 | SEOB1514 | SEOB3078 | seob4851 | seob6262 | seob8326 |
| SEO45355 | SEO46171a | seoa7750a | SEO49826 | SEOB1525 | SEOB3104 | seob4986 | seob6289 | seob8343 |
| SEO45381 | SEO46212a | seoa7820a | SEO49915 | SEOB1562 | SEOB3190 | seob4995 | seob6290 | |
| SEO45385 | SEO46272 | SEO47950a | SEOB0105 | SEOB1597 | SEOB3238 | seob5065 | seob6321 | |
| SEO45401 | SEO46278 | seoa7974 | SEOB0150 | SEOB1630 | SEOB3257 | seob5112 | seob6358 | |
| SEO45408 | SEO4646a | seoa8118 | SEOB0256 | SEOB1742 | SEOB3323 | seob5172 | seob6403 | |

6. beta-2 microglobulin gene (B2M) gb|AF072097.1

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| | | | | | | | | |
|-----------|-----------|-----------|-----------|-----------|-----------|----------|----------|----------|
| ncrc3559 | MIOA0966 | MIOA3153a | MIOA4817a | MIOA7178a | MIOA8664 | miob1277 | miob4242 | miob6939 |
| ncrc3507 | MIOA1001 | MIOA3179a | MIOA4842a | MIOA7208a | MIOA8741 | miob1307 | miob4266 | miob6976 |
| ncrc3633 | MIOA1047 | MIOA3187a | MIOA4929a | MIOA7267a | MIOA8976 | miob1391 | miob4270 | miob7001 |
| ncrc4414 | MIOA1050 | MIOA3212a | MIOA4935a | MIOA7298 | MIOA9070 | MIOB1509 | miob4617 | ncr0733 |
| ncrc4612 | MIOA1235 | MIOA3213a | MIOA4998a | MIOA7307 | MIOA9081 | miob1808 | miob4624 | ncr0956 |
| FCR1909 | MIOA1332a | MIOA3410a | MIOA5034a | MIOA7390a | MIOA9113 | miob1940 | miob4630 | ncr1361 |
| FCR5317 | MIOA1336a | MIOA3447a | MIOA5047a | MIOA7478a | MIOA9151 | MIOB2157 | miob4643 | ncr1398 |
| FCR5378 | MIOA1552 | MIOA3583a | MIOA5210a | MIOA7490a | MIOA9163 | MIOB2244 | miob4690 | ncr1527 |
| fcrb1163 | MIOA1563m | MIOA3663a | MIOA5226a | MIOA7514a | MIOA9167 | MIOB2300 | miob5049 | ncr1685 |
| hfc0959 | MIOA1577 | MIOA3884a | MIOA5367a | MIOA7523a | mioa9252 | miob2368 | miob5082 | ncr1694 |
| hfc2926 | MIOA1613a | MIOA4028a | MIOA5525a | MIOA7570a | mioa9632 | miob2502 | miob5100 | ncr1744 |
| MIOA0063a | MIOA1904a | MIOA4050a | MIOA5632a | MIOA7574a | mioa9704 | MIOB2623 | miob5785 | ncr2205 |
| MIOA0077a | MIOA1909a | MIOA4053a | MIOA5649 | mioa7917 | mioa9871 | MIOB2739 | miob5815 | ncr2228 |
| MIOA0141 | MIOA2110 | MIOA4162 | MIOA5689 | mioa7922 | mioa9920 | MIOB2872 | miob5952 | ncr2513 |
| MIOA0146 | mioa2133m | MIOA4202 | MIOA5766a | MIOA8063a | mioa9971 | miob2878 | miob5956 | ncr2588 |
| MIOA0179 | MIOA2141 | MIOA4257 | MIOA5899a | MIOA8188 | miob0157 | miob2935 | miob5975 | ncr3312 |
| MIOA0231a | MIOA2175a | MIOA4289a | MIOA6038 | MIOA8206 | miob0165 | miob3092 | miob5977 | ncr3949 |
| MIOA0242a | MIOA2227a | MIOA4293a | MIOA6106a | MIOA8227 | miob0377 | miob3225 | miob6007 | ncr4325 |
| MIOA0338 | MIOA2244a | MIOA4353a | MIOA6185a | MIOA8349 | miob0419 | miob3244 | miob6125 | ncr4421 |
| MIOA0387a | MIOA2270a | MIOA4515a | MIOA6191a | MIOA8366 | miob0451 | miob3281 | miob6126 | ncr4519 |
| mioa0463m | MIOA2371a | MIOA4610a | MIOA6651a | MIOA8368 | MIOB0538 | miob3387 | miob6204 | ncr4617 |
| MIOA0471 | MIOA2553a | MIOA4679 | MIOA6668a | MIOA8409 | miob0547n | miob3641 | miob6312 | ncr4821 |
| MIOA0476 | MIOA2839a | MIOA4680 | MIOA6845a | MIOA8553 | miob0770 | miob3672 | miob6696 | ncr4939 |
| MIOA0532 | MIOA2927a | MIOA4722 | MIOA6923a | MIOA8591 | miob1159 | miob3913 | miob6817 | ncr5189 |
| MIOA0537 | MIOA2990a | MIOA4745 | MIOA6987a | MIOA8595 | miob1200 | miob3943 | miob6833 | ncr5819 |
| MIOA0696 | MIOA3023a | MIOA4806a | MIOA7127a | MIOA8625 | miob1270 | miob4225 | miob6837 | ncr6044 |

Figure 6A – Continued

| | | | | | | | | |
|----------|----------|-----------|-----------|-----------|-----------|-----------|----------|----------|
| ncr6760 | ncrb3597 | ncrc9588 | SEOA2191a | SEOA4770a | SEOA8972 | SEOB0894a | seob3985 | seob6791 |
| ncr6837 | ncrb3919 | ncrc9892 | SEOA2193a | SEOA5029a | SEOA8977 | SEOB0953 | seob4089 | seob6803 |
| ncr7016 | ncrb4213 | seoa0265m | SEOA2274a | SEOA5304a | SEOA9040 | SEOB0990 | seob4097 | seob6847 |
| ncr7764 | ncrb4482 | SEOA0286 | SEOA2387a | SEOA5313a | SEOA9118 | SEOB1168 | seob4285 | seob6860 |
| ncr7901 | ncrb4799 | SEOA0338 | SEOA2437a | SEOA5399 | SEOA9272 | SEOB1202 | seob4524 | seob7202 |
| ncr7946 | ncrb5916 | SEOA0395 | SEOA2513 | SEOA5529a | SEOA9320 | SEOB1229 | seob4657 | seob7231 |
| ncr8261 | ncrb6138 | SEOA0398 | SEOA2614 | SEOA5555a | SEOA9324 | SEOB1406 | seob4767 | seob7414 |
| ncr8335 | ncrb6316 | SEOA0456 | SEOA2656 | SEOA5604a | SEOA9387 | SEOB1655 | seob4808 | seob7423 |
| ncr8437 | ncrb6328 | SEOA0760 | SEOA2657 | SEOA5702a | SEOA9403 | SEOB1855 | seob4817 | seob7564 |
| ncr8663 | ncrb6698 | SEOA0778 | SEOA2867 | SEOA5754a | SEOA9667 | SEOB1961 | seob4977 | seob7580 |
| ncr8775 | ncrb7515 | SEOA0780 | SEOA2882 | SEOA5855 | SEOA9702 | SEOB1996 | seob5023 | seob7600 |
| ncr9202 | ncrb7800 | SEOA0820 | SEOA3035a | SEOA6007a | SEOA9884 | SEOB2009 | seob5109 | seob7618 |
| ncr9824 | ncrb7821 | SEOA0831 | SEOA3103a | SEOA6300 | SEOA9900 | SEOB2151 | seob5206 | seob7653 |
| ncr9947 | ncrb8424 | SEOA0857 | SEOA3179n | SEOA6486a | SEOA9907 | SEOB2214 | seob5345 | seob7769 |
| ncr9980 | ncrb8544 | SEOA0916 | SEOA3225 | SEOA6492a | SEOB0011 | SEOB2215 | seob5359 | seob7920 |
| ncrb0281 | ncrc0007 | SEOA1063a | SEOA3256n | SEOA7076a | SEOB0049 | SEOB2217 | seob5392 | seob8020 |
| ncrb0531 | ncrc0074 | SEOA1407 | SEOA3345a | SEOA7136a | SEOB0144 | SEOB2688 | seob5470 | seob8094 |
| ncrb0829 | ncrc0150 | SEOA1519 | SEOA3671a | SEOA7332a | SEOB0149 | SEOB2722 | seob5505 | seob8177 |
| ncrb0854 | ncrc0416 | SEOA1679a | SEOA3775a | SEOA7606a | SEOB0264 | SEOB3010 | seob5665 | seob8248 |
| ncrb0861 | ncrc0483 | SEOA1794a | SEOA3797a | SEOA7641a | SEOB0318 | SEOB3029 | seob5683 | seob8249 |
| ncrb1668 | ncrc1206 | SEOA1853a | SEOA3957a | seoa7862a | SEOB0367 | SEOB3209 | seob5827 | SOA0234 |
| ncrb2071 | ncrc1409 | SEOA1861a | SEOA3978a | seoa8008 | SEOB0387 | SEOB3299 | seob5861 | SOA0612 |
| ncrb2416 | ncrc1536 | SEOA1942 | SEOA4109a | SEOA8378a | SEOB0408 | SEOB3459 | seob5983 | soa0613n |
| ncrb2681 | ncrc1777 | SEOA1967a | SEOA4110a | SEOA8390a | SEOB0484 | SEOB3489 | seob6068 | SOA0614 |
| ncrb2850 | ncrc2092 | SEOA2039 | SEOA4315a | SEOA8517 | SEOB0529 | SEOB3509 | seob6173 | |
| ncrb3080 | ncrc3923 | SEOA2046 | SEOA4370a | SEOA8557 | SEOB0530 | SEOB3512 | seob6334 | |
| ncrb3205 | ncrc6311 | SEOA2059 | SEOA4451a | SEOA8744 | SEOB0622 | SEOB3546 | seob6424 | |
| ncrb3519 | ncrc6488 | SEOA2085 | SEOA4497 | SEOA8873 | SEOB0705a | seob3674 | seob6547 | |
| ncrb3536 | ncrc9180 | SEOA2110n | SEOA4585 | SEOA8955 | SEOB0870a | seob3944 | seob6603 | |

7. nproteoglycan 4 (=megakaryocyte stimulating factor) AAB09089.1

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| | | | | | | | | |
|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------|-----------|
| BFC0347 | MIOA0735 | MIOA1825a | MIOA2983a | MIOA3964a | MIOA5932a | mioa7641a | MIOA8830 | miob0403 |
| BFCW0415 | MIOA0794 | MIOA1837a | MIOA2996a | MIOA3994a | MIOA5978a | mioa7644a | MIOA8850 | miob0439 |
| FCR0264 | MIOA1013 | MIOA2007 | MIOA3048a | MIOA4043a | mioa5988a | mioa7653a | MIOA9004 | miob0449 |
| FCR1431 | MIOA1014 | MIOA2024 | MIOA3106a | MIOA4085a | MIOA6126a | mioa7685a | MIOA9126 | MIOB0469 |
| FCR4086 | mioa1034m | MIOA2155a | MIOA3152a | MIOA4145 | MIOA6250a | mioa7846a | mioa9227 | MIOB0572 |
| FCR4931 | MIOA1051 | MIOA2176a | MIOA3173a | MIOA4398 | MIOA6500a | MIOA7958a | mioa9375 | miob0712 |
| FCR5798 | mioa1101m | MIOA2180a | MIOA3192a | MIOA4510a | MIOA6526a | MIOA7967a | mioa9416 | miob0720 |
| FCR6725 | MIOA1106 | MIOA2299a | MIOA3315a | MIOA4543a | MIOA6531a | MIOA8069 | mioa9469 | miob0735n |
| hfc6734 | MIOA1167 | MIOA2311a | MIOA3322a | MIOA4617a | MIOA6553a | MIOA8122 | mioa9524 | miob0752 |
| hfc8016 | MIOA1181 | MIOA2315a | MIOA3326a | MIOA4629a | MIOA6563a | MIOA8163 | mioa9527 | miob0890 |
| MIOA0031a | MIOA1190n | MIOA2418a | MIOA3346a | MIOA4684 | MIOA6586a | MIOA8198 | mioa9578 | miob0913 |
| MIOA0096a | MIOA1205 | MIOA2491a | MIOA3362a | MIOA4699 | MIOA6677a | MIOA8205 | mioa9653 | miob1119 |
| MIOA0134 | MIOA1208 | MIOA2545a | MIOA3381a | MIOA4881a | MIOA6828a | MIOA8225 | mioa9663 | miob1158 |
| MIOA0180 | MIOA1211 | MIOA2554a | MIOA3401a | MIOA4993a | MIOA6874a | MIOA8247 | mioa9667 | miob1196 |
| MIOA0280 | MIOA1225 | MIOA2558a | MIOA3429a | MIOA5070a | MIOA6879a | MIOA8334 | mioa9785 | miob1242 |
| MIOA0310 | MIOA1237 | MIOA2559a | MIOA3455a | MIOA5096a | MIOA6937a | MIOA8387 | mioa9838 | MIOB1490 |
| mioa0350m | MIOA1244m | MIOA2634 | MIOA3501a | MIOA5354a | MIOA6964a | MIOA8454 | mioa9992 | MIOB1497 |
| MIOA0379a | MIOA1245 | MIOA2711a | MIOA3580a | MIOA5489a | MIOA6986a | MIOA8592 | miob0151 | miob1696 |
| MIOA0517 | MIOA1316a | MIOA2757a | MIOA3596a | MIOA5497a | MIOA7068a | MIOA8624 | miob0212 | miob1735 |
| MIOA0518 | MIOA1317a | MIOA2809a | MIOA3698a | MIOA5597a | MIOA7273 | MIOA8671 | miob0214 | miob1843 |
| MIOA0519n | MIOA1390a | MIOA2863a | MIOA3813 | MIOA5616a | MIOA7374a | MIOA8787 | miob0243 | miob1849 |
| MIOA0688 | MIOA1576 | MIOA2943a | MIOA3882a | MIOA5634a | MIOA7402a | MIOA8822 | miob0311 | MIOB2109 |
| MIOA0705 | MIOA1760 | MIOA2960a | MIOA3941a | MIOA5698 | MIOA7532a | MIOA8823 | MIOB0328 | MIOB2114 |
| MIOA0733 | MIOA1817a | MIOA2976a | MIOA3948a | MIOA5791a | MIOA7572a | MIOA8827 | miob0348 | MIOB2125 |

Figure 6A – Continued

| | | | | | | | | |
|----------|----------|----------|---------|----------|----------|----------|-----------|----------|
| miob2408 | miob4046 | miob5635 | ncr1623 | ncr8219 | ncrb5499 | ncrc2016 | ncrc6845 | SEOA8661 |
| miob2464 | miob4079 | miob5773 | ncr1815 | ncr8441 | ncrb5569 | ncrc2082 | ncrc6906 | SEOA8900 |
| miob2509 | miob4102 | miob5837 | ncr1911 | ncr8635 | ncrb5611 | ncrc2286 | ncrc8849 | SEOA9418 |
| miob2519 | miob4109 | miob5972 | ncr2617 | ncr8636 | ncrb5859 | ncrc2296 | ncrc8888 | SEOA9508 |
| miob2523 | miob4119 | miob6145 | ncr2982 | ncr8648 | ncrb5873 | ncrc2348 | ncrc9049 | SEOA9682 |
| miob2542 | miob4156 | miob6208 | ncr3022 | ncr8712 | ncrb5966 | ncrc2496 | ncrc9112 | SEOA9849 |
| MIOB2584 | miob4159 | miob6292 | ncr3023 | ncr8735 | ncrb5992 | ncrc2725 | ncrc9721 | SEOB0608 |
| MIOB2695 | miob4208 | miob6357 | ncr3115 | ncr8763 | ncrb6260 | ncrc3112 | ncrc9917 | SEOB0757 |
| MIOB2818 | miob4210 | miob6522 | ncr3224 | ncr8974 | ncrb6369 | ncrc3148 | ncrc9962 | SEOB1162 |
| miob2896 | miob4324 | miob6566 | ncr3338 | ncr9152 | ncrb6471 | ncrc3201 | SEOA1486 | SEOB1570 |
| miob2986 | miob4670 | miob6579 | ncr3445 | ncr9389 | ncrb6615 | ncrc3369 | SEOA1499 | SEOB1689 |
| miob3142 | miob4672 | miob6619 | ncr3569 | ncr9420 | ncrb6636 | ncrc3794 | SEOA1682a | SEOB2025 |
| miob3189 | miob4700 | miob6667 | ncr3764 | ncr9533 | ncrb7118 | ncrc3852 | SEOA2259a | SEOB3051 |
| miob3223 | miob4710 | miob6682 | ncr4045 | ncr9597 | ncrb7797 | ncrc3933 | seoa2869m | SEOB3114 |
| miob3233 | miob4717 | miob6799 | ncr4090 | ncr9607 | ncrb7888 | ncrc4005 | SEOA3029a | SEOB3328 |
| miob3245 | miob4775 | miob6890 | ncr4364 | ncr9658 | ncrb8281 | ncrc4007 | SEOA3033a | seob3991 |
| miob3444 | miob4820 | miob6924 | ncr4625 | ncr9852 | ncrb8328 | ncrc4122 | SEOA3421a | seob4157 |
| miob3494 | miob4825 | miob6935 | ncr4792 | ncr9945 | ncrb8409 | ncrc4424 | SEOA4602a | seob4722 |
| miob3644 | miob4873 | miob6998 | ncr5223 | ncrb0729 | ncrb8814 | ncrc4683 | seoa4949a | seob4783 |
| miob3660 | miob4879 | miob7005 | ncr5482 | ncrb1591 | ncrc0268 | ncrc4685 | SEOA5367 | seob5464 |
| miob3682 | miob4907 | miob7014 | ncr5506 | ncrb2294 | ncrc0639 | ncrc4793 | SEOA5474a | seob5842 |
| miob3706 | miob4935 | ncr0036 | ncr5576 | ncrb2309 | ncrc0753 | ncrc4812 | SEOA6061a | seob6085 |
| miob3728 | miob4965 | ncr0535 | ncr5660 | ncrb2701 | ncrc0965 | ncrc4867 | SEOA6322 | seob6444 |
| miob3748 | miob5011 | ncr0687 | ncr6009 | ncrb3063 | ncrc1112 | ncrc5280 | SEOA6370 | seob6626 |
| miob3792 | miob5112 | ncr0969 | ncr6063 | ncrb3544 | ncrc1292 | ncrc5451 | SEOA7282a | seob7266 |
| miob3831 | miob5129 | ncr1177 | ncr6091 | ncrb3568 | ncrc1371 | ncrc5557 | SEOA7611a | seob7362 |
| miob3861 | miob5424 | ncr1283 | ncr6278 | ncrb3572 | ncrc1563 | ncrc5928 | seoa8089 | seob7935 |
| miob3929 | miob5428 | ncr1567 | ncr6301 | ncrb3949 | ncrc1744 | ncrc6084 | seoa8094 | SOA0141 |
| miob3951 | miob5494 | ncr1575 | ncr6661 | ncrb4063 | ncrc1816 | ncrc6456 | seoa8095 | soa0196n |
| miob4011 | miob5613 | ncr1608 | ncr7589 | ncrb4762 | ncrc1919 | ncrc6740 | seoa8104 | SOA0467 |

8. collagen type I alpha 2 (COL1A2) NM_000089.1

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| | | | | | | | | |
|-----------|---------|---------|----------|----------|----------|-----------|-----------|----------|
| BFCN0005 | FCR1113 | FCR3592 | FCR6930 | fcrb1622 | hfc1408 | hfc18028 | MIOA5600a | miob6304 |
| BFCN0050 | FCR1326 | FCR3661 | FCR7217 | fcrb1744 | hfc1677 | hfc18369 | MIOA5719 | ncr0020 |
| BFCN0062 | FCR1339 | FCR3845 | fc17404n | fcrb1805 | hfc1815 | hfc18464 | MIOA5914a | ncr0667 |
| BFCN0225 | FCR1422 | FCR3894 | FCR7423 | fcrb1805 | hfc1882 | hfc18632 | MIOA6212a | ncr0910 |
| BFCS0326 | FCR1429 | FCR3953 | FCR7428 | fcrb1986 | hfc1945 | hfc18679 | MIOA6362a | ncr1512 |
| BFCS0508 | FCR1487 | FCR3974 | FCR7471 | fcrb1999 | hfc12230 | hfc18727 | MIOA6733a | ncr1602 |
| BFCS0553n | FCR1504 | FCR4059 | FCR7498 | fcrb2039 | HFCR3215 | hfc18898 | MIOA6930a | ncr2659 |
| CR0093 | FCR1845 | FCR4072 | fcrb0004 | fcrb2104 | hfc13370 | hfc19315 | MIOA7102a | ncr3360 |
| CR0274 | FCR1941 | FCR4137 | fcrb0032 | fcrb2104 | hfc13591 | hfc19402 | MIOA8090 | ncr3373 |
| CR0291 | FCR2038 | FCR4149 | fcrb0042 | fcrb2213 | hfc14157 | hfc19507 | MIOA8159 | ncr3671 |
| CR0484 | FCR2051 | FCR4220 | fcrb0261 | fcrb2328 | hfc14195 | hfc19514 | MIOA8159 | ncr3999 |
| CR0725 | FCR2058 | FCR4316 | fcrb0429 | fcrb2329 | hfc15014 | hfc19623 | MIOA9048 | ncr4094 |
| CR0912 | FCR2114 | FCR4703 | fcrb0991 | hfc10085 | hfc15649 | hfc19871 | mioa9501 | ncr4172 |
| CR0992 | FCR2275 | FCR4983 | fcrb0997 | hfc10181 | hfc16060 | hfc19897 | mioa9864 | ncr4355 |
| FCR0162 | FCR2297 | FCR5033 | fcrb1081 | hfc10267 | hfc16065 | hfc19959 | miob0937 | ncr4481 |
| FCR0304 | FCR2314 | FCR5167 | fcrb1128 | hfc10287 | hfc16393 | MIOA0086a | miob0949 | ncr4540 |
| FCR0395 | FCR2410 | FCR5261 | fcrb1128 | hfc10326 | hfc16719 | MIOA0097 | miob1755 | ncr4775 |
| FCR0497 | FCR2612 | FCR5703 | fcrb1243 | hfc10418 | hfc16837 | MIOA0901a | MI0B2665 | ncr4829 |
| FCR0640 | FCR2947 | FCR5943 | fcrb1357 | hfc10442 | hfc16858 | MIOA1053 | miob3598 | ncr5202 |
| FCR0700 | FCR3014 | FCR6710 | fcrb1429 | hfc10483 | hfc17048 | MIOA1359a | miob3598 | ncr5764 |
| FCR0825 | FCR3030 | FCR6838 | fcrb1546 | hfc10709 | hfc17394 | MIOA1956a | miob4071 | ncr6033 |
| FCR1032 | FCR3074 | FCR6879 | fcrb1574 | hfc10806 | hfc17419 | MIOA3886a | miob4882 | ncr6394 |
| FCR1057 | FCR3453 | FCR6893 | fcrb1622 | hfc1095 | hfc17496 | MIOA5080a | miob6233 | ncr7823 |

Figure 6A – Continued

| | | | | | | | | |
|----------|----------|-----------|-----------|-----------|-----------|-----------|----------|----------|
| ncr8039 | ncrb6241 | ncrc4436 | SEOA1152a | SEOA4513 | SEOA7221a | SEOB0660a | SEOB2674 | seob5700 |
| ncr8076 | ncrb6708 | ncrc4964 | SEOA1292a | SEOA4563 | SEOA7309a | SEOB0692a | SEOB2678 | seob5738 |
| ncr8095 | ncrb6985 | ncrc5000 | SEOA1335 | SEOA4605a | SEOA7512a | SEOB0728 | SEOB2773 | seob5747 |
| ncr8318 | ncrb7081 | ncrc5233 | SEOA1388 | SEOA4610a | SEOA7560a | SEOB0900a | SEOB2801 | seob5803 |
| ncr8467 | ncrb8040 | ncrc5921 | SEOA1414a | SEOA4623a | SEOA7636a | SEOB0968 | SEOB2804 | seob5917 |
| ncr8477 | ncrb8164 | ncrc6137 | SEOA1594a | SEOA4803a | SEOA7644a | SEOB1254 | SEOB2805 | seob6024 |
| ncr9204 | ncrb8251 | ncrc6155 | SEOA1764a | seoa4920a | seoa7715a | SEOB1263 | SEOB3109 | seob6138 |
| ncrb0242 | ncrb8764 | ncrc6868 | SEOA1879 | SEOA5061a | seoa7887a | SEOB1291 | SEOB3165 | seob6419 |
| ncrb0334 | ncrc0693 | ncrc7035 | SEOA1907 | SEOA5125a | SEOA8176a | SEOB1332 | SEOB3235 | seob6563 |
| ncrb0568 | ncrc0780 | ncrc7136 | SEOA1958 | SEOA5144a | SEOA8197a | SEOB1336 | SEOB3354 | seob6771 |
| ncrb1370 | ncrc0800 | ncrc9371 | SEOA1968a | SEOA5276a | SEOA8344a | SEOB1556 | SEOB3411 | seob6786 |
| ncrb2224 | ncrc1013 | ncrc9558 | SEOA2327a | SEOA5360 | seoa8812n | SEOB1577 | seob3701 | seob6798 |
| ncrb2856 | ncrc1148 | seoa2593m | SEOA2328a | SEOA5412 | SEOA9025 | SEOB1641 | seob4086 | seob7307 |
| ncrb2856 | ncrc1207 | SEOA0032 | SEOA2555 | SEOA5419 | SEOA9084 | SEOB1732 | seob4228 | seob7401 |
| ncrb2997 | ncrc1226 | SEOA0053 | SEOA2593m | SEOA5548a | seoa9164n | SEOB1740 | seob4229 | seob7406 |
| ncrb3021 | ncrc1339 | SEOA0058 | SEOA2769 | SEOA5553a | SEOA9207 | SEOB1900 | seob4355 | seob7457 |
| ncrb3619 | ncrc1825 | SEOA0059 | SEOA2912a | SEOA5643a | SEOA9419 | SEOB1936 | seob4472 | seob7531 |
| ncrb4056 | ncrc2063 | SEOA0081 | SEOA3070a | SEOA5953 | SEOA9598 | SEOB1951 | seob4614 | seob7623 |
| ncrb4371 | ncrc2590 | SEOA0122 | seoa3150m | SEOA5963 | SEOA9799 | SEOB2057 | seob4615 | seob7730 |
| ncrb4641 | ncrc2863 | SEOA0134 | SEOA3524a | SEOA5981a | SEOA9886 | SEOB2115 | seob4626 | seob7875 |
| ncrb4761 | ncrc2926 | SEOA0278n | SEOA3802a | SEOA6409 | SEOB0070 | SEOB2168 | seob4810 | seob8341 |
| ncrb4778 | ncrc3060 | SEOA0314 | SEOA3846 | SEOA6455a | SEOB0136 | SEOB2243 | seob4963 | SOA0077 |
| ncrb4878 | ncrc3199 | SEOA0583 | SEOA4278a | SEOA6520a | SEOB0165 | SEOB2253 | seob5013 | SOA0077 |
| ncrb5328 | ncrc3643 | SEOA0744 | SEOA4371a | SEOA6611a | SEOB0335 | seob2589 | seob5079 | SOA0308 |
| ncrb5353 | ncrc3759 | SEOA0796 | SEOA4412a | seoa6783 | SEOB0378 | seob2600 | seob5313 | SOA0310 |
| ncrb5683 | ncrc3765 | SEOA0998 | SEOA4507 | SEOA7149a | SEOB0438 | SEOB2651 | seob5438 | SOA0310 |
| ncrb6122 | ncrc4125 | SEOA1007n | SEOA4511 | SEOA7162a | SEOB0621 | SEOB2666 | seob5578 | |

9. mitochondrion, complete genome (=AF382012.1 haplotype M*1 mitochondrion) "NC_001807.2 443

| | | | | | | | | |
|----------|---------|---------|-----------|-----------|-----------|----------|----------|----------|
| FCR5088 | hfc2559 | hfc6312 | hfc8504 | MIOA2581a | mioa7919 | miob1851 | miob3479 | miob6419 |
| fcrb0308 | hfc2580 | hfc6320 | hfc8515 | MIOA3305a | MIOA8907 | miob1859 | miob3483 | miob6634 |
| fcrb0358 | hfc2613 | hfc6326 | hfc8538 | MIOA3483a | MIOA8953 | miob1936 | miob3501 | ncr0011 |
| fcrb0712 | hfc2728 | hfc6474 | hfc8760 | MIOA3710a | MIOA8953 | miob1949 | miob3669 | ncr0013 |
| fcrb1759 | hfc2811 | hfc6563 | hfc8780 | MIOA3787 | MIOA8992 | MIOB2147 | miob3837 | ncr0073 |
| fcrb1759 | hfc3044 | hfc6595 | hfc8860 | MIOA4127 | MIOA8992 | MIOB2261 | miob3920 | ncr0313 |
| fcrb2336 | hfc3407 | hfc6616 | hfc9047 | MIOA4148 | miob0197 | miob2400 | miob3961 | ncr0580 |
| fcrb2404 | hfc3410 | hfc6736 | hfc9073 | MIOA4235 | miob0236 | miob2486 | miob3962 | ncr0626 |
| fcrb2441 | hfc3463 | hfc6810 | hfc9171 | MIOA4366a | miob0267 | miob2497 | miob3984 | ncr0729 |
| fcrb2560 | hfc3468 | hfc6916 | hfc9211 | MIOA4790a | miob0268 | miob2507 | miob4030 | ncr0826 |
| fcrb2636 | hfc3766 | hfc6938 | hfc9216 | MIOA5008a | miob0273 | miob2508 | miob4073 | ncr0872 |
| fcrb2733 | hfc5162 | hfc6982 | hfc9218 | MIOA5479a | miob0310 | miob2510 | miob4195 | ncr1256 |
| fcrb2751 | hfc5170 | hfc6985 | hfc9265 | mioa5627a | MIOB0466 | miob2520 | miob4199 | ncr1513 |
| hfc0402 | hfc5225 | hfc7008 | hfc9286 | MIOA5714 | miob0685 | miob2534 | miob4223 | ncr1589 |
| hfc0441 | hfc5257 | hfc7022 | hfc9510 | MIOA5895a | miob0835n | miob2539 | miob4267 | ncr1671 |
| hfc0519 | hfc5420 | hfc7054 | hfc9569 | MIOA5958a | miob1012 | MIOB2643 | miob4419 | ncr1841 |
| hfc1738 | hfc5658 | hfc7423 | hfc9677 | MIOA6451a | miob1023 | MIOB2842 | miob4421 | ncr1845 |
| hfc1772 | hfc5704 | hfc7469 | hfc9679 | MIOA6550a | miob1023 | MIOB2853 | miob4437 | ncr1886 |
| hfc1822 | hfc5720 | hfc7605 | MIOA0101 | MIOA6794a | miob1041 | miob2976 | miob4465 | ncr1906 |
| hfc1917 | hfc5803 | hfc7668 | MIOA0277 | mioa7646a | miob1107 | miob3032 | miob5056 | ncr2081 |
| hfc1959 | hfc5911 | hfc7702 | MIOA0318 | mioa7659a | miob1333 | miob3156 | miob5612 | ncr2096 |
| hfc2022 | hfc5973 | hfc7796 | MIOA1622a | mioa7763a | miob1335 | miob3311 | miob5701 | ncr2152 |
| hfc2022 | hfc5996 | hfc7820 | MIOA1702a | mioa7839a | miob1388 | miob3340 | miob5820 | ncr2152 |
| hfc2052 | hfc6057 | hfc8206 | MIOA2066 | mioa7870 | miob1440 | miob3352 | miob5820 | ncr2252 |
| hfc2306 | hfc6253 | hfc8234 | MIOA2310a | mioa7873 | MIOB1524 | miob3434 | miob5996 | ncr2350 |
| hfc2523 | hfc6307 | hfc8451 | MIOA2355a | mioa7899 | miob1719 | miob3472 | miob6289 | ncr2380 |

Figure 6A – Continued

| | | | | | | | | |
|---------|---------|---------|---------|-----------|-----------|-----------|----------|----------|
| ncr2398 | ncr4354 | ncr6224 | ncr7857 | ncrb0017 | SEOA2354a | SEOA8699 | SEOB2778 | seob6164 |
| ncr2629 | ncr4437 | ncr6245 | ncr7859 | ncrb0024 | SEOA3939 | SEOA8757 | SEOB2929 | seob6193 |
| ncr2911 | ncr4529 | ncr6252 | ncr7885 | ncrb0153 | SEOA4230a | SEOA8773 | SEOB2956 | seob6894 |
| ncr2937 | ncr4605 | ncr6277 | ncr7908 | ncrb1059 | SEOA4231a | SEOA8818 | SEOB3045 | seob7161 |
| ncr2953 | ncr4623 | ncr6325 | ncr7957 | ncrb1546 | SEOA4428a | SEOA8924 | SEOB3144 | seob7173 |
| ncr2972 | ncr4749 | ncr6330 | ncr7989 | ncrb1557 | SEOA4476a | SEOA8939 | SEOB3210 | seob7588 |
| ncr2977 | ncr4780 | ncr6331 | ncr7999 | ncrb1648 | SEOA4784a | SEOA9103 | SEOB3237 | seob7603 |
| ncr3003 | ncr4858 | ncr6360 | ncr8008 | ncrb2007 | seoa4959a | SEOA9226 | SEOB3256 | seob8071 |
| ncr3031 | ncr5131 | ncr6393 | ncr8017 | ncrb3140 | SEOA5420 | SEOA9230 | SEOB3256 | seob8080 |
| ncr3066 | ncr5160 | ncr6412 | ncr8059 | ncrb3173 | seoa6837 | SEOA9765 | SEOB3355 | seob8176 |
| ncr3072 | ncr5173 | ncr6548 | ncr8198 | ncrb3567 | SEOA6928 | SEOA9833 | SEOB3355 | seob8211 |
| ncr3079 | ncr5195 | ncr6746 | ncr8377 | ncrb7491 | seoa7010 | SEOB0275 | seob4418 | seob8227 |
| ncr3087 | ncr5212 | ncr6813 | ncr8640 | ncrb7669 | SEOA7120a | SEOB0353 | seob4827 | seob8236 |
| ncr3107 | ncr5237 | ncr6867 | ncr8689 | ncrb8120 | seoa7705a | SEOB0533 | seob4831 | seob8237 |
| ncr3196 | ncr5312 | ncr6891 | ncr8785 | ncrb8206 | seoa7811a | SEOB0829a | seob4919 | seob8238 |
| ncr3250 | ncr5515 | ncr6945 | ncr9040 | ncrc0554 | seoa7844a | SEOB1167 | seob5457 | seob8320 |
| ncr3251 | ncr5628 | ncr6979 | ncr9098 | ncrc0741 | seoa7863a | SEOB1234 | seob5945 | SOA0125 |
| ncr3417 | ncr5637 | ncr7051 | ncr9162 | ncrc0750 | SEOA8340a | SEOB1360 | seob5969 | |
| ncr3474 | ncr5823 | ncr7072 | ncr9504 | ncrc0796 | SEOA8471 | SEOB1392 | seob5980 | |
| ncr3479 | ncr6047 | ncr7162 | ncr9700 | ncrc0799 | SEOA8483 | SEOB1824 | seob6021 | |
| ncr3571 | ncr6123 | ncr7164 | ncr9838 | ncrc2568 | SEOA8484 | SEOB1933 | seob6078 | |
| ncr3668 | ncr6128 | ncr7373 | ncr9862 | SEOA0050 | SEOA8498 | SEOB2679 | seob6081 | |
| ncr3791 | ncr6165 | ncr7396 | ncr9893 | SEOA1512 | SEOA8625 | SEOB2760 | seob6088 | |
| ncr4348 | ncr6200 | ncr7841 | ncr9897 | SEOA1767a | SEOA8650 | SEOB2774 | seob6113 | |

10. collagen type II alpha 1 (COL2A1) J00116.1 360

| | | | | | | | | |
|-----------|----------|----------|----------|----------|----------|-----------|---------|---------|
| ncrc6204 | CR0276 | FCR2687 | FCR5059 | FCR7476 | hfc0481 | hfc07034 | ncr0109 | ncr4512 |
| ncrc6152 | CR0323 | FCR2763 | FCR5167 | FCR7683 | hfc0575 | hfc07073 | ncr0243 | ncr4631 |
| ncrc6701 | CR0358 | FCR2869 | FCR5362 | FCR7692 | hfc0684 | hfc07518 | ncr0244 | ncr4762 |
| ncrc7182 | CR0429 | FCR2980 | fcr5387n | fcrb0027 | hfc0738 | hfc08044 | ncr0628 | ncr4857 |
| ncrc3826 | CR0442 | FCR3068 | FCR5422 | fcrb0187 | hfc1813 | hfc08057 | ncr0785 | ncr5209 |
| ncrc3755 | CR0485 | FCR3100 | FCR5585 | fcrb0975 | hfc1956 | hfc08365 | ncr0988 | ncr5238 |
| ncrc5840 | CR0495 | fcr3109 | FCR5701 | fcrb0994 | hfc1960 | hfc08416 | ncr1127 | ncr5305 |
| ncrc6019 | CR0565 | FCR3152 | FCR5719 | fcrb1117 | HFCR2375 | hfc08704 | ncr1181 | ncr5673 |
| ncrc5924 | CR0750 | FCR3178 | FCR5761 | fcrb1401 | hfc2532 | hfc08989 | ncr1434 | ncr5702 |
| ncrc6099 | CR0816 | FCR3187 | FCR5770 | fcrb1473 | hfc2688 | hfc09023 | ncr1452 | ncr5788 |
| ncrc5973 | FCR0367 | FCR3332 | FCR5795 | fcrb1514 | hfc2859 | hfc09196 | ncr1536 | ncr6061 |
| ncrc6430 | FCR0369 | fcr3495n | FCR5797 | fcrb1617 | hfc2861 | hfc09459 | ncr1571 | ncr6074 |
| ncrc6785 | FCR0569 | FCR3504 | FCR6047 | fcrb1672 | hfc2980 | hfc09934 | ncr1682 | ncr6262 |
| ncrc6882 | FCR0810 | fcr3678n | FCR6205 | fcrb1676 | HFCR3115 | MIOA1174 | ncr2099 | ncr6347 |
| ncrc6901 | FCR0822 | FCR3702 | FCR6269 | fcrb1756 | HFCR3164 | MIOA1669a | ncr2384 | ncr6396 |
| BFCN0081 | FCR1066 | FCR3703 | FCR6282 | fcrb1761 | HFCR3263 | MIOA1950a | ncr2659 | ncr6537 |
| BFCN0225 | FCR1326 | FCR3831 | FCR6420 | fcrb1784 | hfc3393 | MIOA3989a | ncr2767 | ncr7063 |
| BFCN0268 | FCR1339 | FCR3928 | FCR6425 | fcrb1833 | hfc4121 | MIOA4357a | ncr2824 | ncr7219 |
| BFCS0292 | FCR1422 | FCR4018 | FCR6557 | fcrb1984 | hfc4190 | MIOA5001a | ncr3116 | ncr7240 |
| BFCS0509 | FCR1429 | FCR4034 | FCR6628 | fcrb2248 | hfc4479 | MIOA5098a | ncr3169 | ncr7356 |
| BFCS0553n | FCR1448 | FCR4043 | FCR6670 | fcrb2264 | hfc4621 | MIOA5099a | ncr3288 | ncr7426 |
| BFCW0062 | FCR1487 | FCR4203 | FCR6697 | fcrb2280 | hfc5248 | MIOA7451a | ncr3345 | ncr7481 |
| BFCW0238 | FCR1556 | FCR4271 | FCR6723 | fcrb2360 | hfc5745 | MIOA7608a | ncr3733 | ncr7542 |
| BFCW0341 | FCR1763 | FCR4397 | FCR6888 | fcrb2672 | hfc5746 | MIOA8813 | ncr3739 | ncr7772 |
| BFCW0378 | FCR1820 | FCR4411 | FCR6962 | fcrb2680 | hfc5986 | MIOA9079 | ncr3748 | ncr7836 |
| BFCW0425 | FCR1963 | FCR4412 | FCR7055 | fcrb2717 | hfc6101 | mioa9206 | ncr4011 | ncr7922 |
| CR0033 | FCR2083 | FCR4440 | FCR7225 | fcrb2725 | hfc6642 | miob4876 | ncr4032 | ncr8035 |
| CR0038 | FCR2114 | FCR5004 | FCR7267 | fcrb2740 | hfc6925 | miob6233 | ncr4094 | ncr8068 |
| CR0270 | fcr2556n | FCR5033 | FCR7344 | hfc0288 | hfc7017 | ncr0067 | ncr4383 | ncr8086 |

Figure 6A – Continued

| | | | | | | | | |
|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| ncr8329 | ncrb0280 | ncrb2082 | ncrb5143 | ncrb7813 | ncrc0065 | ncrc1312 | ncrc3424 | ncrc9175 |
| ncr8471 | ncrb0282 | ncrb2906 | ncrb5402 | ncrb7880 | ncrc0135 | ncrc1521 | ncrc4177 | ncrc9200 |
| ncr8498 | ncrb0377 | ncrb3325 | ncrb5523 | ncrb7882 | ncrc0276 | ncrc2008 | ncrc4619 | ncrc9356 |
| ncr9377 | ncrb0436 | ncrb3426 | ncrb5766 | ncrb7955 | ncrc0315 | ncrc2771 | ncrc4688 | ncrc9551 |
| ncr9540 | ncrb0468 | ncrb4123 | ncrb5911 | ncrb8031 | ncrc0664 | ncrc2828 | ncrc4724 | ncrc9723 |
| ncr9625 | ncrb0600 | ncrb4359 | ncrb6401 | ncrb8116 | ncrc0954 | ncrc2884 | ncrc4840 | ncrc9738 |
| ncr9766 | ncrb0699 | ncrb4395 | ncrb6641 | ncrb8143 | ncrc1123 | ncrc2989 | ncrc5139 | ncrc9976 |
| ncr9965 | ncrb1335 | ncrb4476 | ncrb6800 | ncrb8255 | ncrc1148 | ncrc3059 | ncrc5603 | SEOA9348 |
| ncrb0042 | ncrb1341 | ncrb4541 | ncrb6984 | ncrb8478 | ncrc1207 | ncrc3237 | ncrc8951 | SEOB0075 |
| ncrb0066 | ncrb1679 | ncrb4744 | ncrb7008 | ncrb8583 | ncrc1226 | ncrc3271 | ncrc9013 | SEOB2054 |
| ncrb0072 | ncrb1937 | ncrb4823 | ncrb7573 | ncrb8810 | ncrc1300 | ncrc3287 | ncrc9124 | seob6542 |

11. ribosomal DNA complete repeating unitU13369.1 357

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|-----------|-----------|---------|---------|----------|----------|----------|----------|-----------|
| ncrc6607 | hfcf5038 | ncr0513 | ncr3381 | ncr6905 | ncrb0204 | ncrb3765 | ncrb7812 | ncrc3325 |
| ncrc6491 | hfcf6355 | ncr0749 | ncr3401 | ncr7085 | ncrb0503 | ncrb3856 | ncrb8052 | ncrc3805 |
| ncrc6529 | hfcf6611 | ncr1080 | ncr3507 | ncr7375 | ncrb0514 | ncrb3879 | ncrb8080 | ncrc4594 |
| ncrc6547 | hfcf7675 | ncr1183 | ncr3557 | ncr7736 | ncrb0548 | ncrb4030 | ncrb8121 | ncrc5098 |
| ncrc6555 | hfcf9646 | ncr1652 | ncr3585 | ncr7802 | ncrb0619 | ncrb4458 | ncrb8176 | ncrc5835 |
| ncrc1667 | mioa0787m | ncr1657 | ncr3597 | ncr7848 | ncrb0689 | ncrb4503 | ncrb8327 | ncrc6173 |
| ncrc6502 | MIOA0830 | ncr1674 | ncr3599 | ncr8034 | ncrb0748 | ncrb4527 | ncrb8557 | ncrc6228 |
| ncrc3715 | MIOA3162a | ncr1863 | ncr3775 | ncr8077 | ncrb0830 | ncrb4566 | ncrb8618 | ncrc6979 |
| ncrc3388 | MIOA4223 | ncr2009 | ncr3853 | ncr8157 | ncrb0851 | ncrb4704 | ncrb8683 | ncrc8910 |
| ncrc3701 | MIOA8128 | ncr2045 | ncr3912 | ncr8180 | ncrb0936 | ncrb4845 | ncrc0171 | ncrc9012 |
| ncrc2251 | MIOA8269 | ncr2049 | ncr3925 | ncr8313 | ncrb1087 | ncrb5059 | ncrc0212 | ncrc9047 |
| ncrc2411 | MIOA8893 | ncr2100 | ncr4036 | ncr8378 | ncrb1116 | ncrb5092 | ncrc0448 | ncrc9073 |
| ncrc2528 | MIOA8904 | ncr2119 | ncr4110 | ncr8607 | ncrb1192 | ncrb5162 | ncrc0474 | ncrc9098 |
| ncrc3863 | mioa9199 | ncr2171 | ncr4175 | ncr8672 | ncrb1328 | ncrb5432 | ncrc0861 | ncrc9246 |
| ncrc3962 | mioa9260 | ncr2232 | ncr4432 | ncr8714 | ncrb1368 | ncrb5443 | ncrc1000 | ncrc9248 |
| ncrc3861 | mioa9484 | ncr2254 | ncr4491 | ncr8726 | ncrb1484 | ncrb5491 | ncrc1067 | ncrc9306 |
| ncrc4080 | miob0090 | ncr2287 | ncr4601 | ncr8823 | ncrb1494 | ncrb5497 | ncrc1126 | ncrc9364 |
| ncrc4643 | miob0638 | ncr2394 | ncr4795 | ncr8845 | ncrb1505 | ncrb5633 | ncrc1137 | ncrc9386 |
| ncrc4523 | miob0704 | ncr2466 | ncr4887 | ncr8858 | ncrb1510 | ncrb5732 | ncrc1146 | ncrc9682 |
| ncrc4581 | miob0779 | ncr2646 | ncr4959 | ncr8939 | ncrb1621 | ncrb5863 | ncrc1184 | ncrc9776 |
| ncrc4823 | miob0816 | ncr2697 | ncr4976 | ncr8951 | ncrb1685 | ncrb5924 | ncrc1201 | ncrc9911 |
| ncrc4915 | miob1225 | ncr2698 | ncr5070 | ncr8976 | ncrb1733 | ncrb5959 | ncrc1343 | ncrc9928 |
| ncrc5166 | miob1934 | ncr2707 | ncr5080 | ncr8978 | ncrb2178 | ncrb6202 | ncrc1437 | SEOA2160 |
| ncrc5096 | miob2407 | ncr2771 | ncr5354 | ncr9166 | ncrb2281 | ncrb6321 | ncrc1572 | SEOA3777a |
| ncrc5873 | miob2471 | ncr2803 | ncr5402 | ncr9463 | ncrb2320 | ncrb6387 | ncrc1747 | SEOA8474 |
| ncrc5898 | miob3151 | ncr2833 | ncr5417 | ncr9507 | ncrb2370 | ncrb6555 | ncrc1764 | SEOA9624 |
| ncrc6054 | miob3601 | ncr2834 | ncr5455 | ncr9595 | ncrb2693 | ncrb6773 | ncrc1832 | SEOB0016 |
| ncrc6248 | miob3876 | ncr2863 | ncr5533 | ncr9627 | ncrb2763 | ncrb6788 | ncrc1849 | SEOB1771 |
| ncrc6270 | miob4405 | ncr2865 | ncr5545 | ncr9699 | ncrb2773 | ncrb6863 | ncrc1951 | SEOB2129 |
| ncrc6338 | miob6148 | ncr2888 | ncr5712 | ncr9741 | ncrb2818 | ncrb6895 | ncrc1969 | SEOB3547 |
| ncrc6914 | miob6246 | ncr2896 | ncr5873 | ncr9753 | ncrb2842 | ncrb7095 | ncrc1981 | seob3945 |
| ncrc6943 | miob6862 | ncr2952 | ncr5918 | ncr9829 | ncrb3031 | ncrb7153 | ncrc2055 | seob4779 |
| ncrc6983 | miob6990 | ncr3018 | ncr5949 | ncr9869 | ncrb3160 | ncrb7220 | ncrc2208 | seob5192 |
| ncrc7036 | ncr0049 | ncr3024 | ncr6048 | ncr9921 | ncrb3285 | ncrb7233 | ncrc2585 | seob5330 |
| fcr2707nn | ncr0055 | ncr3028 | ncr6176 | ncr9950 | ncrb3371 | ncrb7235 | ncrc2622 | seob6327 |
| fcrb0145 | ncr0092 | ncr3047 | ncr6317 | ncr9976 | ncrb3390 | ncrb7349 | ncrc2747 | seob6565 |
| fcrb2291 | ncr0105 | ncr3106 | ncr6384 | ncrb0087 | ncrb3520 | ncrb7531 | ncrc2835 | seob7368 |
| hfcf0497 | ncr0108 | ncr3242 | ncr6424 | ncrb0101 | ncrb3550 | ncrb7605 | ncrc2972 | |
| hfcf3546 | ncr0449 | ncr3264 | ncr6788 | ncrb0102 | ncrb3551 | ncrb7630 | ncrc3098 | |
| hfcf3923 | ncr0484 | ncr3295 | ncr6901 | ncrb0149 | ncrb3646 | ncrb7792 | ncrc3198 | |

Figure 6A – Continued

12. elongation factor 1 alpha 1 (EEF1A1) NM_001402.1

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|-----------|----------|----------|----------|-----------|----------|-----------|-----------|-----------|
| ncrc3488 | FCR1226 | FCR7119 | HFCR3250 | hfc9501 | miob5950 | ncrb0677 | SEOA2998a | SEOB0693a |
| ncrc3646 | FCR1329 | FCR7202 | hfc93593 | hfc9501 | miob6220 | ncrb1451 | SEOA3048a | SEOB0796 |
| ncrc2304 | FCR1344 | FCR7341 | hfc93604 | hfc9559 | miob6427 | ncrb2045 | SEOA3338a | SEOB0958 |
| ncrc2307 | FCR1356 | FCR7597 | hfc93795 | hfc9706 | miob6971 | ncrb2135 | SEOA3450a | SEOB1160 |
| ncrc3994 | FCR1377 | FCR7682 | hfc93878 | hfc9869 | ncr0180 | ncrb2809 | SEOA3502a | SEOB1463 |
| ncrc4141 | FCR1454 | fcrb0179 | hfc93884 | hfc9915 | ncr0185 | ncrb2809 | SEOA3507a | SEOB1711 |
| ncrc4476 | FCR1621 | fcrb0194 | hfc93889 | MIOA0211a | ncr0206 | ncrb2834 | SEOA3965a | SEOB1777 |
| ncrc4593 | FCR1940 | fcrb0386 | hfc94058 | MIOA0398a | ncr0299 | ncrb2836 | SEOA4390a | SEOB1856 |
| BFCN0027 | FCR1948 | fcrb0440 | hfc95894 | mioa0558a | ncr0300 | ncrb3131 | SEOA4758a | SEOB2111 |
| BFCN0051 | FCR2046 | fcrb1219 | hfc96022 | MIOA0691 | ncr0424 | ncrb3389 | SEOA5224a | SEOB2257 |
| BFCS0034 | FCR2166 | fcrb1355 | hfc96102 | MIOA0703 | ncr0590 | ncrb5220 | SEOA5466a | SEOB2264 |
| BFCS0199 | FCR2200 | fcrb1458 | hfc96104 | MIOA0924a | ncr0611 | ncrb6013 | SEOA5782 | SEOB2276 |
| BFCS0335 | FCR2267 | fcrb1850 | hfc96244 | MIOA1526 | ncr1797 | ncrb6969 | SEOA6116a | SEOB3302 |
| BFCS0404 | FCR2278 | fcrb2004 | hfc96407 | MIOA1895a | ncr2467 | ncrb7103 | SEOA6336 | seob3986 |
| BFCS0469n | FCR2638 | fcrb2346 | hfc96542 | MIOA2055 | ncr2859 | ncrb7780 | SEOA6535a | seob4081 |
| BFCS0500 | FCR2848N | fcrb2436 | hfc96560 | MIOA2690a | ncr3040 | ncrb7836 | SEOA6713 | seob4314 |
| BFCW0210 | FCR3514 | fcrb2532 | hfc96585 | MIOA2951a | ncr3040 | ncrb8500 | SEOA7179a | seob4580 |
| BFCW0390 | FCR3892 | hfc90030 | hfc96588 | MIOA2966a | ncr3075 | ncrb8723 | SEOA7194a | seob4662 |
| BFCW0551n | FCR3950 | hfc90059 | hfc96659 | MIOA3196a | ncr3128 | ncrc0213 | SEOA7224a | seob4813 |
| BFCW0583 | FCR4243 | hfc90334 | hfc96725 | MIOA3507a | ncr3253 | ncrc0259 | SEOA7259a | seob4870 |
| BFCW0607 | FCR4274 | hfc90378 | hfc97078 | MIOA3544a | ncr3286 | ncrc0910 | SEOA7372a | seob4903 |
| CR0070 | FCR4747 | hfc90520 | hfc97387 | MIOA4500a | ncr3369 | ncrc3315 | SEOA7413a | seob5004 |
| CR0088 | FCR4814 | hfc90544 | hfc97648 | MIOA4633a | ncr3452 | ncrc8859 | SEOA7441a | seob5541 |
| CR0488 | FCR5113 | hfc90668 | hfc97725 | MIOA5753a | ncr3882 | ncrc9210 | SEOA7548a | seob5987 |
| CR0715 | FCR5342 | hfc90830 | hfc97725 | MIOA6824a | ncr5471 | ncrc9515 | seoa8028 | seob6329 |
| CR0823 | FCR5622 | hfc90863 | hfc97953 | MIOA7554a | ncr5779 | SEOA0366 | SEOA8190a | seob6624 |
| CR0922 | FCR5777 | hfc90893 | hfc98001 | MIOA8026a | ncr5818 | SEOA0414n | SEOA8316a | seob6875 |
| FCR0140 | FCR5890 | hfc91126 | hfc98210 | MIOA8167 | ncr6758 | SEOA0723a | SEOA8325a | seob7298 |
| FCR0168 | FCR5952 | hfc91189 | hfc98477 | MIOA8251 | ncr6859 | SEOA1018 | SEOA8634 | seob7459 |
| FCR0239 | FCR6158 | hfc91207 | hfc98910 | MIOA8300 | ncr7827 | SEOA1550 | SEOA8833 | seob7589 |
| FCR0663 | FCR6178 | hfc91384 | hfc99040 | MIOA8566 | ncr8020 | SEOA1641a | SEOA9049 | seob7954 |
| FCR0670 | FCR6295 | hfc91409 | hfc99068 | MIOA8860 | ncr8191 | SEOA1651a | SEOA9149 | seob8054 |
| FCR0740 | FCR6335 | hfc91693 | hfc99105 | mioa9565 | ncr8579 | SEOA2213a | SEOA9431 | seob8088 |
| FCR0845 | FCR6565 | hfc92499 | hfc99209 | miob0264 | ncr9022 | SEOA2435a | SEOA9505 | SOA0195 |
| FCR0858 | FCR6738 | hfc92574 | hfc99264 | miob1031 | ncr9066 | SEOA2511 | SEOA9759 | SOA0207 |
| FCR0870 | FCR6778 | hfc92596 | hfc99368 | MIOB2314 | ncr9141 | SEOA2644 | SEOB0052 | SOA0219 |
| FCR1053 | FCR6836 | hfc92596 | hfc99480 | miob3429 | ncr9343 | SEOA2668 | SEOB0080 | SOA0619 |
| FCR1212 | FCR6892 | HFCR3189 | hfc99496 | miob5044 | ncrb0021 | SEOA2989a | SEOB0385 | SOA0694 |

13. lumican (LUM) NM_002345.1

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|-----------|-----------|-----------|-----------|-----------|----------|----------|----------|----------|
| FCR2877 | MIOA0604a | MIOA2202a | MIOA4934a | MIOA6578a | MIOA8757 | mioa9896 | miob1341 | miob3404 |
| FCR5350 | MIOA0622a | MIOA2439a | MIOA5142a | MIOA6649a | MIOA8840 | mioa9933 | miob1358 | miob3912 |
| FCR5945 | MIOA0653 | MIOA2441a | MIOA5436a | MIOA6851a | MIOA8890 | miob0256 | miob1867 | miob3958 |
| fcrb1455 | MIOA1018 | MIOA2779a | MIOA5512a | MIOA6908a | MIOA9071 | miob0266 | MIOB2112 | miob3972 |
| hfc90199 | MIOA1246 | MIOA2847a | MIOA5687 | MIOA6978a | MIOA9078 | miob0413 | MIOB2128 | miob4067 |
| hfc92558 | MIOA1423 | MIOA2968a | MIOA5688 | mioa7679a | MIOA9115 | miob0482 | MIOB2256 | miob4196 |
| hfc94014 | MIOA1793 | MIOA3659a | MIOA5690 | mioa7732a | mioa9287 | MIOB0544 | MIOB2291 | miob4251 |
| hfc98821 | MIOA1843a | MIOA3958a | MIOA5750a | mioa7810a | mioa9315 | miob0634 | miob2412 | miob4275 |
| hfc98891 | MIOA1865a | MIOA4200 | MIOA5969a | mioa7867 | mioa9360 | miob0645 | miob2416 | miob4311 |
| MIOA0056a | MIOA1937a | MIOA4210 | MIOA5993a | MIOA8175 | mioa9739 | miob0904 | miob2418 | miob4681 |
| MIOA0214a | MIOA2025 | MIOA4345a | MIOA6078a | MIOA8374 | mioa9791 | miob0965 | miob2543 | miob5093 |
| MIOA0312n | MIOA2088 | MIOA4589a | MIOA6256a | MIOA8488 | mioa9845 | miob1022 | miob2545 | miob5125 |
| MIOA0536 | MIOA2095 | MIOA4814a | MIOA6417a | MIOA8551 | mioa9876 | miob1141 | miob2932 | miob5414 |

Figure 6A - Continued

| | | | | | | | | |
|----------|-----------|-----------|-----------|-----------|----------|-----------|----------|----------|
| miob5853 | ncrb4315 | SEOA0937 | SEOA3451a | SEOA5791 | SEOA8212 | SEOB0532 | SEOB3212 | seob6612 |
| miob5939 | ncrb4659 | seoa0968m | SEOA3690a | SEOA5974a | SEOA8254 | SEOB0550 | SEOB3254 | seob6664 |
| miob6244 | ncrb5575 | SEOA0988 | SEOA3817a | SEOA6012a | SEOA8505 | SEOB0604 | SEOB3265 | seob6714 |
| miob6441 | ncrb6294 | SEOA1090a | SEOA3867 | SEOA6018a | SEOA8686 | SEOB0664a | SEOB3273 | seob6755 |
| miob6855 | ncrb8152 | SEOA1153a | SEOA3959a | SEOA6162a | SEOA8944 | SEOB0791 | seob3866 | seob7064 |
| miob6888 | ncrc0871 | SEOA1157a | SEOA4262a | SEOA6202a | SEOA9014 | SEOB0880a | seob4093 | seob7127 |
| miob7037 | ncrc1105 | SEOA1178a | SEOA4277a | SEOA6244 | SEOA9047 | SEOB0901a | seob4184 | seob7175 |
| miob7040 | ncrc1562 | SEOA1229a | SEOA4320a | SEOA6415 | SEOA9072 | SEOB0926 | seob4278 | seob7208 |
| ncr0485 | ncrc1776 | SEOA1262A | SEOA4394a | SEOA6738 | SEOA9101 | SEOB0943 | seob4287 | seob7422 |
| ncr0527 | ncrc2392 | SEOA1303a | SEOA4437a | seoa6778 | SEOA9108 | SEOB1022 | seob4412 | seob7893 |
| ncr1094 | ncrc2474 | SEOA1384 | SEOA4787a | seoa6940 | SEOA9201 | SEOB1110 | seob4608 | seob7917 |
| ncr1292 | ncrc4105 | SEOA1437a | SEOA4820a | seoa6976 | SEOA9323 | SEOB1201 | seob4619 | seob8190 |
| ncr1942 | ncrc4175 | SEOA1758a | SEOA4821a | SEOA7062a | SEOA9332 | SEOB1407 | seob4643 | seob8313 |
| ncr2392 | ncrc4725 | SEOA1772a | SEOA4859a | SEOA7376a | SEOA9368 | SEOB1494 | seob4815 | SOA0024 |
| ncr4026 | ncrc4748 | SEOA1775a | SEOA4890a | SEOA7420a | SEOA9479 | SEOB1576 | seob4828 | SOA0143 |
| ncr5744 | ncrc6993 | seoa1914n | seoa4998a | SEOA7425a | SEOA9574 | SEOB1920 | seob5189 | SOA0269 |
| ncr6679 | SEOA0069 | SEOA2137 | SEOA5079a | SEOA7491a | SEOA9618 | SEOB1924 | seob5787 | soa0300n |
| ncr6688 | seoa0093m | SEOA2430a | SEOA5101a | SEOA7604a | SEOA9650 | SEOB1985 | seob5802 | SOA0349 |
| ncr7450 | SEOA0569 | SEOA2477 | SEOA5137a | seoa7735a | SEOA9728 | SEOB2005 | seob5924 | SOA0448 |
| ncr7578 | SEOA0724a | SEOA2845 | SEOA5141a | seoa7805a | SEOA9901 | SEOB2122 | seob6106 | SOA0476 |
| ncr8973 | SEOA0742 | SEOA3000a | SEOA5289a | seoa7847a | SEOA9917 | seob2539 | seob6152 | SOA0631 |
| ncrb0143 | SEOA0834 | SEOA3004a | SEOA5309a | SEOA7895a | SEOA9957 | SEOB3035 | seob6343 | SOA0659 |
| ncrb0234 | SEOA0842 | SEOA3014a | SEOA5519a | seoa7956 | SEOB0097 | SEOB3050 | seob6533 | SOA0684 |
| ncrb0592 | SEOA0879 | SEOA3064a | SEOA5634a | seoa8084 | SEOB0116 | SEOB3102 | seob6574 | |
| ncrb4031 | SEOA0903 | SEOA3078a | SEOA5789 | SEOA8172a | SEOB0413 | SEOB3166 | seob6583 | |

14. matrix Gla protein (MGP) X53331

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| | | | | | | | | |
|-----------|-----------|----------|----------|---------|----------|----------|----------|-----------|
| FCR5827 | MIOA3245a | MIOA8603 | MIOB2721 | ncr2544 | ncr9133 | ncrb4507 | ncrc0305 | ncrc5351 |
| hfc0997 | MIOA3373a | MIOA8845 | miob3205 | ncr3060 | ncr9157 | ncrb4559 | ncrc0901 | ncrc5401 |
| hfc2712 | MIOA3534a | MIOA9111 | miob3440 | ncr3135 | ncr9177 | ncrb4581 | ncrc0949 | ncrc5795 |
| hfc3598 | MIOA3651a | mioa9337 | miob3478 | ncr3475 | ncr9179 | ncrb4779 | ncrc1388 | ncrc5855 |
| hfc5781 | MIOA3733a | mioa9380 | miob3621 | ncr3660 | ncr9730 | ncrb4920 | ncrc1517 | ncrc5991 |
| hfc8227 | MIOA3776 | mioa9535 | miob3657 | ncr3694 | ncr9842 | ncrb5000 | ncrc1758 | ncrc6215 |
| MIOA0131 | MIOA3809 | mioa9680 | miob3768 | ncr3828 | ncr9941 | ncrb5028 | ncrc2378 | ncrc6218 |
| MIOA0155 | MIOA3902a | mioa9696 | miob4181 | ncr3879 | ncrb0229 | ncrb5238 | ncrc2380 | ncrc6263 |
| MIOA0234a | MIOA4065a | mioa9903 | miob4363 | ncr4035 | ncrb0270 | ncrb5358 | ncrc2950 | ncrc6514 |
| MIOA0410a | MIOA4341a | miob0270 | miob4416 | ncr4041 | ncrb0403 | ncrb5723 | ncrc3027 | ncrc6536 |
| MIOA0413a | MIOA4937a | miob0271 | miob4871 | ncr4117 | ncrb0609 | ncrb6275 | ncrc3120 | ncrc6569 |
| MIOA0475 | MIOA5051a | miob0276 | miob5020 | ncr4686 | ncrb0655 | ncrb6390 | ncrc3427 | ncrc6593 |
| MIOA0585a | MIOA5110a | miob0367 | miob5607 | ncr5125 | ncrb0750 | ncrb6812 | ncrc3467 | ncrc6799 |
| MIOA0648 | MIOA5455a | miob0455 | miob5857 | ncr5345 | ncrb0751 | ncrb6841 | ncrc3549 | ncrc6967 |
| MIOA0845a | MIOA5492a | miob0490 | miob5925 | ncr5610 | ncrb1088 | ncrb7290 | ncrc3677 | ncrc9032 |
| MIOA0923a | MIOA5637a | miob0943 | miob6001 | ncr5653 | ncrb1144 | ncrb7407 | ncrc3705 | ncrc9037 |
| MIOA1132 | MIOA5823a | miob0968 | miob6090 | ncr6370 | ncrb1492 | ncrb7620 | ncrc3897 | ncrc9240 |
| MIOA1309 | MIOA6030 | miob1076 | miob6213 | ncr6560 | ncrb1636 | ncrb7732 | ncrc3960 | ncrc9285 |
| MIOA1418 | MIOA6133a | miob1132 | miob6822 | ncr6657 | ncrb2019 | ncrb7738 | ncrc4010 | ncrc9298 |
| MIOA1635a | MIOA6896a | miob1143 | ncr0416 | ncr6673 | ncrb2512 | ncrb7773 | ncrc4183 | seoa0006m |
| MIOA1664a | MIOA6898a | miob1190 | ncr0559 | ncr6749 | ncrb3888 | ncrb8141 | ncrc4396 | SEOA0387 |
| MIOA1815a | MIOA7427a | miob1234 | ncr1115 | ncr6894 | ncrb4121 | ncrb8325 | ncrc4638 | SEOA0544 |
| MIOA2064 | MIOA7438a | miob1951 | ncr1783 | ncr7932 | ncrb4141 | ncrb8405 | ncrc4743 | SEOA0734a |
| MIOA2663a | mioa7672a | MIOB2103 | ncr1784 | ncr8347 | ncrb4188 | ncrb8508 | ncrc4858 | SEOA0885n |
| MIOA2778a | mioa7684a | MIOB2108 | ncr1957 | ncr8405 | ncrb4210 | ncrb8522 | ncrc4890 | SEOA0907 |
| MIOA2802a | mioa7694a | miob2388 | ncr2095 | ncr8831 | ncrb4250 | ncrb8604 | ncrc5055 | SEOA1124a |
| MIOA3193a | mioa7934 | miob2489 | ncr2147 | ncr8849 | ncrb4459 | ncrb8762 | ncrc5144 | SEOA1158a |
| MIOA3241a | MIOA8524 | MIOB2693 | ncr2411 | ncr8936 | ncrb4475 | ncrc0059 | ncrc5332 | SEOA1253A |

Figure 6A – Continued

| | | | | | | | | |
|-----------|-----------|-----------|-----------|-----------|----------|----------|----------|----------|
| SEOA1337 | SEOA2893a | SEOA5626a | seoa7855a | SEOB0159 | SEOB2016 | seob4080 | seob5228 | seob7226 |
| SEOA1509 | SEOA3026a | SEOA6875 | SEOA8386a | SEOB0195 | SEOB2042 | seob4139 | seob5237 | seob7592 |
| SEOA2119 | SEOA3568a | SEOA7065a | SEOA8674 | SEOB0205 | seob2311 | seob4429 | seob5671 | seob7648 |
| SEOA2239a | SEOA3844 | SEOA7128a | SEOA8705 | SEOB0521 | seob2563 | seob4522 | seob6002 | seob7674 |
| SEOA2262a | SEOA3845 | SEOA7176a | SEOA9151 | SEOB0878a | SEOB3142 | seob4585 | seob6007 | seob7968 |
| SEOA2400a | SEOA4356a | SEOA7276a | SEOA9225 | SEOB1021 | SEOB3432 | seob4897 | seob6639 | SOA0133 |
| seoa2680m | SEOA4721a | SEOA7528a | SEOA9385 | SEOB1305 | SEOB3490 | seob4915 | seob6788 | SOA0567 |
| SEOA2681 | SEOA5560a | seoa7677a | SEOA9390 | SEOB1536 | seob3696 | seob5212 | seob7072 | |

15. thymosin beta-4 (TMSB4X) M17733 305

| | | | | | | | | |
|-----------|-----------|----------|----------|-----------|-----------|-----------|-----------|----------|
| BFCW0250 | MIOA2636 | mioa9579 | miob5076 | ncrc8681 | SEOA2254a | SEOA6590a | SEOB0449 | seob4218 |
| CR0904 | MIOA2781a | mioa9685 | miob6054 | ncrc0792 | SEOA2386a | SEOA6634a | SEOB0555 | seob4484 |
| FCR1838 | MIOA3295a | mioa9749 | miob6088 | ncrc1257 | SEOA2463a | SEOA6635a | SEOB0590 | seob4611 |
| FCR4092 | MIOA3325a | mioa9968 | miob6542 | ncrc1571 | SEOA2871 | seoa6800 | SEOB0691a | seob4718 |
| FCR4109 | MIOA3635a | miob0076 | miob6760 | ncrc1768 | SEOA3023a | SEOA7068a | SEOB0842a | seob4747 |
| FCR4506 | MIOA3836 | miob0301 | miob6914 | ncrc2096 | SEOA3197 | SEOA7125a | SEOB1024 | seob4748 |
| fcrb0136 | MIOA4021a | miob0325 | miob6989 | ncrc2677 | SEOA3529a | SEOA7168a | seob1041 | seob4769 |
| fcrb0631 | MIOA4075a | miob1080 | ncr0934 | ncrc3216 | SEOA3630a | SEOA7238a | SEOB1225 | seob4774 |
| fcrb2061 | MIOA4130 | miob1116 | ncr0934 | ncrc4394 | SEOA3729a | SEOA7248a | SEOB1400 | seob4818 |
| hfc1297 | MIOA4207 | miob1149 | ncr2290 | ncrc4792 | SEOA3859 | SEOA7265a | SEOB1516 | seob4883 |
| hfc12655 | MIOA4221 | miob1210 | ncr2569 | ncrc5616 | SEOA3911 | SEOA7304a | SEOB1540 | seob5246 |
| hfc12827 | MIOA4823a | MIOB1535 | ncr2738 | ncrc6574 | SEOA3933 | SEOA7591a | SEOB1666 | seob5504 |
| hfc13840 | MIOA5435a | miob1770 | ncr3088 | ncrc9683 | SEOA3934 | seoa7725a | SEOB1671 | seob5615 |
| hfc15976 | MIOA5640a | MIOB2213 | ncr3952 | SEOA0040 | SEOA3996a | seoa7744a | SEOB1867 | seob5623 |
| MIOA0100 | MIOA5724 | MIOB2299 | ncr4997 | seoa0094m | SEOA4164a | seoa7751a | SEOB1876 | seob5757 |
| MIOA0116 | MIOA6132a | miob2396 | ncr5357 | SEOA0296 | SEOA4306a | seoa7765a | SEOB1997 | seob5788 |
| MIOA0140 | MIOA6152a | miob2444 | ncr6031 | seoa0434m | SEOA4594 | seoa7832a | SEOB2044 | seob5832 |
| MIOA0185 | MIOA6372a | miob2446 | ncr6120 | SEOA0478 | SEOA4766a | seoa7886a | seob2091n | seob5836 |
| MIOA0825 | MIOA6401a | miob2997 | ncr6702 | SEOA0502 | SEOA4804a | seoa8114 | seob2091n | seob5848 |
| MIOA1104 | MIOA6656a | miob2998 | ncr6986 | SEOA0835 | SEOA4827a | seoa8116 | seob2322 | seob5869 |
| MIOA1121 | MIOA6979a | miob3005 | ncr7438 | SEOA0888 | seoa4938a | seoa8151 | seob2612 | seob5936 |
| MIOA1297 | MIOA6989a | miob3090 | ncr7591 | SEOA0891 | seoa4942a | SEOA8184a | SEOB2691 | seob6194 |
| MIOA1396a | MIOA7011a | miob3583 | ncr9127 | SEOA1135a | seoa4966a | SEOA8283 | SEOB3003 | seob6306 |
| MIOA1589 | MIOA7383a | miob3762 | ncrb0283 | SEOA1138a | SEOA5012a | SEOA8341a | SEOB3162 | seob6354 |
| MIOA1839a | mioa7642a | miob3868 | ncrb1305 | SEOA1191A | SEOA5033a | SEOA8573 | seob3268 | seob6360 |
| MIOA2157a | mioa7670a | miob4052 | ncrb1483 | SEOA1209A | SEOA5051a | SEOA8680 | SEOB3580 | seob6516 |
| MIOA2168a | mioa7855 | miob4117 | ncrb2090 | SEOA1224A | SEOA5204a | SEOA8709 | seob3872 | seob6754 |
| MIOA2232a | mioa7883 | miob4136 | ncrb2608 | SEOA1494 | SEOA5879 | SEOA8876 | seob3891 | seob7166 |
| MIOA2289a | MIOA8035a | miob4139 | ncrb3648 | SEOA1504 | SEOA6204a | SEOA8905 | seob3912 | seob7201 |
| MIOA2304a | MIOA8339 | miob4253 | ncrb5209 | SEOA1515 | SEOA6268 | SEOA9031 | seob3963 | seob7621 |
| MIOA2445a | MIOA8702 | miob4380 | ncrb6031 | SEOA1520 | SEOA6380 | SEOA9134 | seob3964 | seob8007 |
| MIOA2455a | MIOA8781 | miob4417 | ncrb6050 | seoa1548m | SEOA6394 | SEOA9148 | seob4004 | seob8045 |
| MIOA2468a | MIOA8825 | miob4971 | ncrb7745 | SEOA2076 | SEOA6444a | SEOA9417 | seob4119 | seob8060 |
| MIOA2599a | MIOA9133 | miob5047 | ncrb8487 | SEOA2168n | SEOA6488a | SEOA9700 | seob4207 | |

16. osteonectin gene (SPARC) secreted protein, acidic, cysteine-rich M25746.1 248

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|----------|----------|----------|---------|----------|----------|----------|-----------|-----------|
| ncrc6598 | ncrc3640 | ncrc4730 | CR0591 | FCR5250 | fcrb1865 | hfc13960 | hfc15716 | MIOA0970 |
| ncrc6559 | ncrc2241 | ncrc5858 | FCR0375 | FCR5263 | fcrb2192 | hfc14106 | hfc16283 | MIOA1549 |
| ncrc6168 | ncrc2515 | ncrc5790 | FCR1029 | FCR5898 | fcrb2300 | hfc14120 | hfc16860 | MIOA2171a |
| ncrc5684 | ncrc4382 | ncrc6061 | FCR1423 | FCR5971 | fcrb2454 | hfc14132 | hfc17683 | MIOA4892a |
| ncrc6201 | ncrc4660 | BFC50074 | FCR1955 | FCR6766 | hfc10310 | hfc14333 | hfc18827 | MIOA5898a |
| ncrc7119 | ncrc1427 | BFC50284 | FCR2296 | FCR6802 | hfc1377 | hfc15065 | hfc19977 | MIOA7583a |
| ncrc3680 | ncrc4761 | CR0119 | FCR2822 | fcrb0168 | hfc12040 | hfc15433 | MIOA0458 | mioa7929 |
| ncrc3642 | ncrc1385 | CR0370 | FCR4871 | fcrb1432 | hfc13568 | hfc15601 | mioa0789m | mioa9693 |

Figure 6A - Continued

| | | | | | | | | |
|----------|---------|----------|----------|----------|----------|-----------|-----------|----------|
| miob1722 | ncr2867 | ncr6896 | ncrb0812 | ncrb4904 | ncrb7719 | ncrc1870 | SEOA5398 | SEOB0916 |
| MIOB2708 | ncr3049 | ncr7150 | ncrb0914 | ncrb4965 | ncrb7793 | ncrc2800 | SEOA5576a | SEOB1125 |
| miob3926 | ncr3206 | ncr7190 | ncrb1081 | ncrb5068 | ncrb7861 | ncrc2955 | SEOA5871 | SEOB2704 |
| miob3981 | ncr3573 | ncr7216 | ncrb1562 | ncrb5181 | ncrb8149 | ncrc3012 | SEOA7396a | SEOB2763 |
| miob5104 | ncr3575 | ncr7272 | ncrb1656 | ncrb5407 | ncrb8382 | ncrc3085 | SEOA7495a | SEOB2944 |
| ncr0136 | ncr3667 | ncr7558 | ncrb1822 | ncrb5539 | ncrb8422 | ncrc4144 | seoa7965 | SEOB3357 |
| ncr0305 | ncr3699 | ncr8330 | ncrb2164 | ncrb5615 | ncrb8429 | ncrc5087 | SEOA8417 | seob3995 |
| ncr0316 | ncr3731 | ncr8434 | ncrb2519 | ncrb5834 | ncrb8435 | ncrc6564 | SEOA8436 | seob4092 |
| ncr0352 | ncr3901 | ncr8511 | ncrb2527 | ncrb5976 | ncrb8718 | ncrc6803 | SEOA8626 | seob4881 |
| ncr0494 | ncr4073 | ncr8933 | ncrb2715 | ncrb6249 | ncrb8783 | ncrc6944 | SEOA8958 | seob5561 |
| ncr0855 | ncr4137 | ncr9344 | ncrb2738 | ncrb6569 | ncrc0142 | ncrc9425 | SEOA9138 | seob5780 |
| ncr1197 | ncr4200 | ncr9565 | ncrb3338 | ncrb6670 | ncrc0285 | ncrc9437 | SEOA9342 | seob6679 |
| ncr1201 | ncr4567 | ncr9682 | ncrb3563 | ncrb6785 | ncrc0359 | ncrc9727 | SEOA9552 | seob7222 |
| ncr1748 | ncr4750 | ncr9771 | ncrb3621 | ncrb6942 | ncrc0381 | ncrc9742 | SEOA9747 | seob7348 |
| ncr1990 | ncr4833 | ncr9784 | ncrb3844 | ncrb6994 | ncrc0464 | SEOA1683a | SEOA9757 | SOA0212 |
| ncr2187 | ncr5218 | ncrb0120 | ncrb3872 | ncrb7067 | ncrc0510 | SEOA1733a | SEOA9875 | SOA0674n |
| ncr2215 | ncr5328 | ncrb0166 | ncrb4019 | ncrb7246 | ncrc0628 | SEOA2742 | SEOB0329 | |
| ncr2223 | ncr5463 | ncrb0544 | ncrb4118 | ncrb7528 | ncrc0813 | SEOA3222 | SEOB0405 | |
| ncr2837 | ncr5826 | ncrb0589 | ncrb4573 | ncrb7624 | ncrc0885 | SEOA3904 | SEOB0662a | |
| ncr2840 | ncr6138 | ncrb0745 | ncrb4804 | ncrb7706 | ncrc1617 | SEOA4101a | SEOB0770 | |

17. ribosomal protein S27 (=metalloprotein 1 MPS1)NM_001030.1 247

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|----------|-----------|-----------|---------|----------|----------|-----------|-----------|----------|
| ncrc4378 | fcrb1711 | MIOA5281a | ncr1666 | ncr7618 | ncrb6222 | ncrc4953 | seoa4891a | SEOB3467 |
| ncrc4607 | fcrb2289 | MIOA6294a | ncr2073 | ncr7652 | ncrb6279 | ncrc5537 | SEOA5814 | seob4091 |
| ncrc6259 | hfc0276 | MIOA6706a | ncr2389 | ncr7956 | ncrb6325 | ncrc6387 | seoa6855 | seob4105 |
| ncrc5963 | hfc0559 | MIOA7201a | ncr2647 | ncr8440 | ncrb6528 | ncrc6677 | SEOA6886 | seob4313 |
| ncrc5964 | hfc0608 | MIOA7226a | ncr2671 | ncr8839 | ncrb6647 | ncrc8922 | seoa7019 | seob4341 |
| ncrc5995 | hfc1343 | mioa7886 | ncr2934 | ncr8960 | ncrb7201 | ncrc8959 | SEOA7241a | seob4421 |
| ncrc6333 | hfc1362 | MIOA8399 | ncr3121 | ncrb0044 | ncrb7612 | ncrc9071 | SEOA7525a | seob4515 |
| ncrc5865 | hfc2166 | MIOA9039 | ncr3195 | ncrb0413 | ncrb7683 | ncrc9339 | seoa7817a | seob4600 |
| ncrc6413 | hfc2823 | MIOA9051 | ncr3549 | ncrb0551 | ncrb8026 | ncrc9796 | SEOA7932a | seob4920 |
| ncrc6911 | hfc2910 | mioa9814 | ncr3565 | ncrb0708 | ncrb8256 | SEOA0144 | SEOA8460 | seob4934 |
| ncrc7017 | hfc5264 | miob1154 | ncr3804 | ncrb1619 | ncrb8788 | SEOA0171a | SEOA8592 | seob5725 |
| BFC0398 | hfc5856 | MIOB2803 | ncr4184 | ncrb2393 | ncrc0400 | SEOA0293 | SEOA8592 | seob5753 |
| FCR0848 | hfc5890 | miob2921 | ncr4220 | ncrb2590 | ncrc0471 | SEOA0362 | SEOA9136 | seob6062 |
| FCR1554 | hfc7569 | miob3771 | ncr4568 | ncrb2821 | ncrc0523 | SEOA0525 | SEOA9785 | seob6633 |
| FCR1907 | hfc7842 | miob3995 | ncr4688 | ncrb2957 | ncrc0906 | SEOA1120a | SEOA9984 | seob7357 |
| FCR2113 | hfc8358 | miob4198 | ncr4778 | ncrb3123 | ncrc0985 | SEOA1298a | SEOB0001 | seob7469 |
| FCR2473 | hfc9150 | miob4361 | ncr4910 | ncrb3392 | ncrc1056 | SEOA1960 | SEOB0036 | seob7523 |
| FCR2840 | hfc9495 | miob4381 | ncr4921 | ncrb3552 | ncrc1489 | SEOA2078 | SEOB0673a | seob7692 |
| FCR4154 | hfc9566 | miob4777 | ncr4982 | ncrb4106 | ncrc2202 | seoa2682m | SEOB0786a | seob7876 |
| FCR4870 | MIOA0229a | miob4863 | ncr5108 | ncrb4911 | ncrc2396 | SEOA2683 | SEOB1241 | seob7938 |
| FCR5749 | MIOA0818 | miob5021 | ncr5639 | ncrb5015 | ncrc2765 | SEOA2896a | SEOB1474 | seob7987 |
| FCR6589 | MIOA0865a | miob5678 | ncr5942 | ncrb5276 | ncrc2988 | SEOA3402a | SEOB1512 | SOA0437 |
| fcrb0046 | MIOA1066 | miob6261 | ncr6395 | ncrb5423 | ncrc3203 | SEOA3537a | SEOB1552 | SOA0506 |
| fcrb0190 | MIOA2249a | miob6299 | ncr6581 | ncrb5601 | ncrc3625 | SEOA3589a | SEOB2041 | |
| fcrb0317 | MIOA2650 | miob6350 | ncr6968 | ncrb6003 | ncrc3909 | SEOA4003a | SEOB2119 | |
| fcrb0335 | MIOA4133 | miob6507 | ncr7333 | ncrb6006 | ncrc4159 | SEOA4408a | seob2574 | |
| fcrb1412 | MIOA4237 | miob6956 | ncr7378 | ncrb6089 | ncrc4309 | SEOA4555 | seob2579 | |
| fcrb1708 | MIOA4870a | ncr0908 | ncr7517 | ncrb6187 | ncrc4671 | SEOA4839a | seob3266 | |

18. vimentin gene (VIM) Z19554 212

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|----------|----------|---------|---------|---------|---------|---------|---------|----------|
| ncrc4509 | ncrc4543 | BFC0557 | FCR0909 | FCR3170 | FCR5818 | FCR6621 | FCR7255 | fcrb1817 |
| ncrc4369 | BFC0265 | CR1003 | FCR2425 | FCR5713 | FCR6503 | FCR7153 | FCR7685 | fcrb1886 |

Figure 6A – Continued

| | | | | | | | | |
|-----------|-----------|----------|----------|-----------|-----------|-----------|----------|----------|
| fcrb2210 | MIOA1363a | miob0173 | ncr2736 | ncrc6192 | SEOA2358a | SEOA7165a | SEOB1157 | seob5728 |
| fcrb2245 | MIOA1627a | MIOB0552 | ncr4460 | ncrc6421 | SEOA2414 | SEOA7192a | SEOB1214 | seob5806 |
| hfc0284 | MIOA1833a | miob1298 | ncr6552 | ncrc6757 | SEOA3213 | SEOA7217a | SEOB1613 | seob5885 |
| hfc0436 | MIOA2099 | miob1786 | ncr6562 | ncrc9194 | SEOA3246 | SEOA7446a | SEOB1829 | seob5904 |
| hfc1275 | MIOA2254a | miob1912 | ncr7288 | SEOA0056 | SEOA3591a | seoa7700a | SEOB1899 | seob5970 |
| hfc1404 | MIOA2572a | MIOB2736 | ncr8252 | SEOA0256a | SEOA3848 | seoa7853a | seob2590 | seob6117 |
| hfc1739 | MIOA2588a | miob2916 | ncr8802 | SEOA0440 | SEOA4075 | SEOA7907a | SEOB2753 | seob6178 |
| hfc2801 | MIOA4027a | miob2950 | ncrb0134 | seoa0459m | SEOA5011a | SEOA8217 | SEOB2764 | seob6801 |
| hfc4430 | MIOA4040a | miob3013 | ncrb2591 | SEOA0508 | SEOA5109a | SEOA8259 | SEOB2980 | seob7217 |
| hfc5120 | MIOA4305a | miob3204 | ncrb4011 | SEOA0551A | SEOA5280a | SEOA8518 | SEOB3033 | seob7285 |
| hfc5428 | MIOA4665a | miob3333 | ncrb5519 | SEOA0584 | SEOA5521a | SEOA8628 | SEOB3041 | seob7355 |
| hfc5686 | MIOA5121a | miob3408 | ncrb7093 | SEOA0592a | SEOA5538a | SEOA8782 | SEOB3072 | seob7417 |
| hfc6021 | MIOA5761a | miob4518 | ncrb8740 | SEOA0923 | SEOA5600a | SEOA8819 | SEOB3135 | seob7462 |
| hfc6571 | MIOA5824a | miob4927 | ncrc0401 | SEOA1281a | SEOA5666a | SEOA9212 | SEOB3407 | seob7464 |
| hfc7091 | MIOA5925a | miob4948 | ncrc0507 | SEOA1286a | SEOA5713a | SEOA9346 | SEOB3471 | seob7641 |
| hfc7772 | MIOA6806a | miob5025 | ncrc0676 | SEOA1592a | SEOA6190a | SEOA9462 | seob3936 | seob7724 |
| hfc8393 | MIOA7269a | miob5966 | ncrc1084 | SEOA1937n | SEOA6418 | SEOA9488 | seob4130 | seob8286 |
| hfc8422 | MIOA7472a | miob6384 | ncrc1337 | SEOA1943 | SEOA6529a | SEOA9560 | seob4234 | soa0461n |
| MIOA0019a | MIOA8351 | miob6489 | ncrc1716 | seoa2037 | SEOA6629a | SEOA9938 | seob4887 | |
| MIOA0404a | MIOA8613 | miob6843 | ncrc1914 | seoa2045m | seoa6934 | SEOA9987 | seob5098 | |
| MIOA1074 | mioa9330 | ncr1147 | ncrc4253 | SEOA2093 | seoa6953 | SEOB0346 | seob5163 | |
| MIOA1080 | mioa9945 | ncr2577 | ncrc5575 | SEOA2185a | SEOA7111a | SEOB0924 | seob5660 | |

19. ribosomal protein L7 X52967 206

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|----------|-----------|-----------|-----------|----------|----------|-----------|-----------|-----------|
| BFCW0079 | fcrb2509 | MIOA0727 | MIOA6125a | miob2500 | ncr4911 | ncrc0072 | SEOA3041a | SEOB0871a |
| CR0292 | hfc0384 | MIOA1288 | MIOA6453a | miob3165 | ncr5566 | ncrc0195 | SEOA3963a | SEOB1028 |
| FCR0850 | hfc0540 | MIOA1558 | MIOA6460a | miob3707 | ncr5626 | ncrc0633 | SEOA4299a | SEOB1529 |
| FCR1484 | hfc0856 | MIOA1893a | MIOA6486a | miob3731 | ncr5900 | ncrc1864 | SEOA4769a | SEOB1631 |
| FCR1817 | hfc0890 | MIOA1924a | MIOA7148a | miob3939 | ncr6111 | ncrc2691 | SEOA4812a | SEOB1874 |
| FCR2164 | hfc1385 | MIOA2096 | MIOA7406a | miob3990 | ncr7001 | ncrc3548 | SEOA5579a | SEOB2216 |
| FCR4011 | hfc1784 | MIOA2338a | MIOA7426a | miob4026 | ncr7979 | ncrc4027 | SEOA6482a | seob2573 |
| FCR4039 | hfc1789 | MIOA2680a | MIOA7441a | miob4027 | ncr8127 | ncrc4662 | SEOA6578a | SEOB3233 |
| FCR5047 | hfc1791 | MIOA2706a | mioa7790a | miob4608 | ncr9721 | ncrc5109 | SEOA6910 | SEOB3392 |
| FCR5327 | hfc1901 | MIOA2803a | MIOA8157 | miob5118 | ncr9865 | ncrc6681 | SEOA7336a | SEOB3483 |
| FCR5343 | hfc3024 | MIOA3200a | MIOA8221 | miob5626 | ncrb0784 | ncrc6853 | SEOA7937a | seob4128 |
| FCR5421 | HFCR3152 | MIOA3347a | MIOA8577 | miob5668 | ncrb1531 | ncrc6935 | seoa8015 | seob4531 |
| FCR5683 | HFCR3181 | MIOA3418a | MIOA8712 | miob5861 | ncrb2112 | ncrc8942 | SEOA8267 | seob5039 |
| FCR6483 | HFCR3191 | MIOA3730a | MIOA9132 | miob6110 | ncrb2317 | ncrc9970 | SEOA8678 | seob5494 |
| FCR6582 | hfc5895 | MIOA3967a | mioa9363 | miob6534 | ncrb3334 | SEOA0289 | SEOA9124 | seob5881 |
| fcrb0081 | hfc6068 | MIOA4310a | mioa9460 | miob6737 | ncrb4390 | SEOA0887 | SEOA9210 | seob6012 |
| fcrb0202 | hfc6907 | MIOA4487a | mioa9626 | ncr0503 | ncrb5048 | SEOA1266A | SEOA9512 | seob6697 |
| fcrb0735 | hfc6929 | MIOA4512a | miob0418 | ncr0600 | ncrb5591 | SEOA1309a | SEOA9639 | seob6775 |
| fcrb1318 | hfc7791 | MIOA4645a | miob0714 | ncr0680 | ncrb6196 | SEOA1950 | SEOB0203 | seob7317 |
| fcrb1639 | hfc7965 | MIOA5053a | miob1205 | ncr1651 | ncrb6301 | SEOA2165 | SEOB0395 | seob7331 |
| fcrb1973 | hfc8505 | MIOA5777a | MIOB1580 | ncr2532 | ncrb6704 | SEOA2180a | SEOB0579 | seob7666 |
| fcrb2080 | hfc8752 | MIOA5970a | miob1796 | ncr4203 | ncrb7656 | SEOA2420a | SEOB0665a | seob8006 |
| fcrb2119 | MIOA0607a | MIOA6069a | MIOB2189 | ncr4377 | ncrb8657 | SEOA3031a | SEOB0750 | |

20. scrapie responsive protein 1 (SCRG1)NM_007281.1 168

| | | | | | | | | |
|----------|----------|-----------|------------|-----------|-----------|-----------|-----------|----------|
| ncrc7177 | ncrc5261 | FCR4957 | mioa0556a | MIOA1823a | MIOA4187 | MIOA6039 | MIOA7435a | mioa9675 |
| ncrc5681 | ncrc5311 | fcr5406n | mioa0640an | MIOA1853a | MIOA4526a | MIOA6280a | mioa7830a | miob0385 |
| ncrc4340 | ncrc5567 | hfc5939 | MIOA0756 | MIOA2458a | MIOA5580a | MIOA7166a | MIOA8127 | miob0404 |
| ncrc4610 | ncrc6780 | MIOA0025a | MIOA1234 | MIOA2605a | MIOA5656 | MIOA7364a | mioa9280 | miob0447 |
| ncrc4301 | ncrc6876 | MIOA0202a | MIOA1600 | MIOA3933a | MIOA5994a | MIOA7367a | mioa9320 | miob0750 |

Figure 6A – Continued

| | | | | | | | | |
|----------|----------|---------|----------|----------|-----------|-----------|----------|----------|
| miob0975 | miob4391 | ncr0917 | ncr5752 | ncrb2359 | ncrc3296 | SEOA5347 | SEOA9422 | seob5966 |
| miob1203 | miob4528 | ncr1848 | ncr6221 | ncrb2678 | ncrc3535 | SEOA5831 | SEOB1130 | seob6301 |
| miob1373 | miob4584 | ncr2036 | ncr6575 | ncrb4483 | ncrc4976 | SEOA5835 | SEOB1819 | seob6650 |
| miob1858 | miob4818 | ncr2237 | ncr6772 | ncrb5459 | SEOA0487 | SEOA6333 | SEOB2648 | seob6725 |
| miob1895 | miob4877 | ncr2599 | ncr7385 | ncrb5717 | SEOA0777 | SEOA6376 | SEOB2916 | seob6824 |
| MIOB2139 | miob5984 | ncr2712 | ncr7563 | ncrb7075 | SEOA0858 | SEOA6422 | SEOB3083 | seob7663 |
| MIOB2265 | miob5995 | ncr2772 | ncr8237 | ncrb7467 | SEOA2271a | SEOA6459a | SEOB3300 | seob8034 |
| MIOB2345 | miob6075 | ncr2974 | ncr8397 | ncrb8265 | SEOA2480 | SEOA7267a | seob4013 | seob8266 |
| miob2506 | miob6346 | ncr3062 | ncr8790 | ncrb8331 | seoa2672m | SEOA7598a | seob4121 | SOA0285 |
| MIOB2670 | miob6583 | ncr3092 | ncrb0226 | ncrb8707 | SEOA2941a | seoa7754a | seob4206 | SOA0288 |
| miob2876 | ncr0576 | ncr3124 | ncrb0395 | ncrc0167 | SEOA3620a | seoa8080 | seob4798 | SOA0632 |
| miob3065 | ncr0763 | ncr4585 | ncrb0449 | ncrc0313 | SEOA3780a | SEOA8584 | seob4922 | |
| miob3733 | ncr0807 | ncr5010 | ncrb1522 | ncrc0537 | SEOA3905 | SEOA9153 | seob5239 | |
| miob4217 | ncr0817 | ncr5475 | ncrb1817 | ncrc3277 | SEOA4575 | SEOA9250 | seob5786 | |

21. connective tissue growth factor (CTGF) U14750 159

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|-----------|-----------|-----------|---------|----------|----------|----------|-----------|-----------|
| ncrc2273 | MIOA2961a | miob0248 | ncr0137 | ncr5898 | ncrb2777 | ncrb6968 | ncrc9327 | seoa8087 |
| ncrc2535 | MIOA3188a | miob0778 | ncr0480 | ncr6535 | ncrb2833 | ncrb7783 | ncrc9834 | SEOA8788 |
| ncrc6828 | MIOA3406a | miob1692n | ncr0507 | ncr6675 | ncrb3539 | ncrb7824 | SEOA1413a | SEOB0827a |
| ncrc6973 | MIOA4999a | miob2429 | ncr0780 | ncr7193 | ncrb4196 | ncrb8186 | SEOA1472a | SEOB1078 |
| BFC50303 | MIOA5052a | miob2442 | ncr0819 | ncr7774 | ncrb4377 | ncrc0156 | SEOA1530 | seob2534 |
| FCR6229 | MIOA5220 | miob3007 | ncr0842 | ncr7780 | ncrb4628 | ncrc1321 | SEOA2979a | SEOB2940 |
| fcfb1224 | MIOA5756a | miob3255 | ncr1551 | ncr8671 | ncrb4893 | ncrc1492 | SEOA2983a | SEOB3234 |
| hfc11829 | MIOA5939a | miob3744 | ncr1715 | ncr9004 | ncrb5027 | ncrc1493 | SEOA3099a | seob5257 |
| hfc12297 | MIOA5940a | miob3895 | ncr1777 | ncr9160 | ncrb5312 | ncrc1611 | seoa3145m | seob6654 |
| hfc15724 | MIOA6725a | miob3978 | ncr2006 | ncr9320 | ncrb5724 | ncrc3290 | SEOA3542a | seob6667 |
| MIOA0390a | MIOA6842a | miob4116 | ncr2168 | ncr9326 | ncrb5960 | ncrc3865 | SEOA4077 | seob6690 |
| MIOA0792 | MIOA6990a | miob4283 | ncr3019 | ncr9846 | ncrb6102 | ncrc4197 | SEOA4458a | seob6902 |
| MIOA1135 | MIOA7250a | miob4382 | ncr3145 | ncrb0205 | ncrb6475 | ncrc4580 | SEOA4665a | seob7467 |
| MIOA1178 | mioa8326n | miob4894 | ncr3798 | ncrb0254 | ncrb6559 | ncrc4824 | SEOA5416 | seob7475 |
| MIOA1308m | MIOA8803 | miob5107 | ncr4536 | ncrb0654 | ncrb6655 | ncrc5277 | SEOA5944 | soa0277n |
| MIOA1521 | MIOA8922 | miob5772 | ncr5263 | ncrb0899 | ncrb6715 | ncrc5493 | SEOA6048a | |
| MIOA1727a | MIOA9055 | miob6086 | ncr5272 | ncrb2187 | ncrb6789 | ncrc6443 | SEOA7116a | |
| MIOA1917a | mioa9503 | miob6864 | ncr5644 | ncrb2421 | ncrb6935 | ncrc9043 | SEOA7440a | |

22. tumor protein translationally-controlled 1 (TPT1) NM_003295.1 158

| | | | | | | | | |
|-----------|----------|-----------|-----------|----------|----------|-----------|------------|----------|
| ncrc5662 | FCR5935 | hfc1426 | MIOA3619a | miob3873 | ncrb0952 | ncrc0138 | SEOA1987 | SEOA9701 |
| ncrc5445 | FCR6031 | hfc12667 | MIOA3917a | miob4047 | ncrb1792 | ncrc0452 | SEOA2034 | SEOB1249 |
| ncrc5600 | FCR6303 | hfc12876 | MIOA3960a | miob4445 | ncrb2192 | ncrc0872 | SEOA2609 | SEOB1523 |
| ncrc5943 | FCR6871 | hfc12913 | MIOA4926a | miob5787 | ncrb3248 | ncrc1956 | seoa2643m | SEOB1828 |
| ncrc6425 | FCR6996 | hfc13720 | MIOA6264a | ncr0604 | ncrb3609 | ncrc3336 | seoa3156mn | seob2620 |
| CR0235 | FCR7449 | hfc13810 | MIOA6798a | ncr1703 | ncrb3684 | ncrc3392 | SEOA4492 | SEOB2650 |
| FCR0743 | FCR7719 | hfc13900 | MIOA7320 | ncr1806 | ncrb3878 | ncrc3736 | SEOA5510a | SEOB3382 |
| FCR2273 | fcfb1508 | hfc15471 | MIOA8959 | ncr2172 | ncrb4023 | ncrc3829 | SEOA5511a | seob3715 |
| fcf2505nn | fcfb2011 | hfc15474 | MIOA9120 | ncr2352 | ncrb4876 | ncrc4170 | SEOA5862 | seob4360 |
| FCR2735 | fcfb2352 | hfc15744 | mioa9200 | ncr2945 | ncrb4935 | ncrc4273 | SEOA6282 | seob6101 |
| FCR2766 | hfc10012 | hfc17271 | mioa9419 | ncr5069 | ncrb4952 | ncrc8984 | SEOA6448a | seob6472 |
| FCR3436 | hfc10108 | hfc17362 | mioa9553 | ncr5164 | ncrb4984 | ncrc9108 | SEOA6719 | seob7500 |
| FCR3530 | hfc10315 | hfc17551 | mioa9981 | ncr6410 | ncrb5374 | ncrc9735 | SEOA7154a | seob8229 |
| FCR4260 | hfc10599 | hfc19899 | miob0091 | ncr8241 | ncrb5626 | SEOA0044n | seoa7710a | SOA0249 |
| FCR4829 | hfc10728 | MIOA0138 | miob0238 | ncr8721 | ncrb6164 | seoa0268m | SEOA8441 | SOA0283 |
| FCR4948 | hfc11174 | MIOA1107 | miob0366 | ncrb0459 | ncrb7711 | SEOA0369 | SEOA8576 | |
| FCR4950 | hfc11193 | MIOA1884a | miob0774 | ncrb0529 | ncrb8101 | SEOA0397 | SEOA8742 | |
| FCR5099 | hfc1205 | MIOA2302a | MIOB2667 | ncrb0687 | ncrb8494 | SEOA1899 | SEOA9026 | |

Figure 6A – Continued

23. putative p150 AAC51271.1 145

| | | | | | | | | |
|----------|----------|---------|----------|----------|----------|----------|----------|----------|
| ncrc2447 | miob3094 | ncr3379 | ncr5908 | ncrb0093 | ncrb8412 | ncrc4160 | ncrc9506 | seob6047 |
| ncrc2577 | miob3183 | ncr3499 | ncr6656 | ncrb0245 | ncrb8623 | ncrc4513 | ncrc9564 | seob6240 |
| hfc95810 | miob3805 | ncr3591 | ncr6683 | ncrb0466 | ncrb8704 | ncrc4540 | ncrc9697 | seob6283 |
| hfc96201 | miob4213 | ncr4048 | ncr6817 | ncrb0923 | ncrb8795 | ncrc4733 | ncrc9952 | seob6545 |
| hfc98551 | miob6535 | ncr4380 | ncr7117 | ncrb1114 | ncrc0478 | ncrc4874 | seoa6937 | seob6663 |
| hfc9949 | miob6700 | ncr4543 | ncr7187 | ncrb1127 | ncrc0601 | ncrc5065 | SEOA9020 | seob6671 |
| MIOA8149 | miob6784 | ncr4642 | ncr7663 | ncrb2647 | ncrc0814 | ncrc5223 | SEOA9577 | seob6692 |
| MIOA8499 | miob6961 | ncr5544 | ncr7881 | ncrb2808 | ncrc0853 | ncrc5475 | SEOA9707 | seob6757 |
| MIOA8538 | miob7018 | ncr5586 | ncr7918 | ncrb3038 | ncrc2003 | ncrc5563 | SEOB1624 | seob6780 |
| MIOA8759 | ncr0060 | ncr5600 | ncr8024 | ncrb3360 | ncrc2149 | ncrc5909 | SEOB2114 | |
| mioa9329 | ncr0273 | ncr5648 | ncr8122 | ncrb3587 | ncrc2154 | ncrc6319 | SEOB3117 | |
| miob0749 | ncr1002 | ncr5659 | ncr8134 | ncrb3960 | ncrc2233 | ncrc6487 | SEOB3585 | |
| miob0883 | ncr1560 | ncr5692 | ncr8253 | ncrb4713 | ncrc2318 | ncrc6703 | seob3686 | |
| miob1813 | ncr1593 | ncr5711 | ncr8702 | ncrb5360 | ncrc2493 | ncrc6800 | seob3941 | |
| miob2923 | ncr2505 | ncr5720 | ncr8851 | ncrb6717 | ncrc2849 | ncrc7091 | seob5332 | |
| miob2930 | ncr2523 | ncr5727 | ncr9719 | ncrb6757 | ncrc3135 | ncrc9197 | seob5473 | |
| miob2939 | ncr3306 | ncr5734 | ncrb0058 | ncrb7339 | ncrc3678 | ncrc9229 | seob5877 | |

24. osteoblast specific factor 2 (OSF-2os) D13666.1 139

| | | | | | | | | |
|-----------|-----------|-----------|-----------|-----------|-----------|----------|----------|----------|
| BFCW0085 | SEOA0083 | seoa2604m | SEOA5939 | SEOA8311a | seob1301n | SEOB3398 | seob5155 | seob6732 |
| CR0146 | SEOA0142 | SEOA2714 | SEOA6368 | SEOA8737 | SEOB1303 | SEOB3420 | seob5162 | seob6865 |
| CR0557 | SEOA0204A | SEOA2904a | SEOA6442 | SEOA8809 | SEOB1445 | SEOB3469 | seob5443 | seob7220 |
| CR0900 | SEOA0497 | SEOA2921a | SEOA6915 | SEOA8824 | SEOB1473 | SEOB3487 | seob5487 | seob7486 |
| FCR3064 | seoa0498m | seoa3152m | seoa6933 | SEOA8848 | SEOB1504 | SEOB3521 | seob5512 | seob7508 |
| FCR4409 | SEOA0585 | SEOA3214 | seoa6946 | SEOA8879 | SEOB1603 | seob3992 | seob5535 | seob7612 |
| FCR5767 | SEOA0593a | SEOA3266 | seoa7028 | SEOA8989 | SEOB1609 | seob4005 | seob5575 | seob7766 |
| FCR7251 | seoa0764m | SEOA3420a | SEOA7097a | SEOA9133 | SEOB1745 | seob4240 | seob5754 | seob7910 |
| hfc90734 | SEOA0846 | SEOA4316a | SEOA7358a | SEOA9169 | SEOB1928 | seob4280 | seob5813 | seob7979 |
| hfc90765 | SEOA1194A | SEOA4346a | seoa7691a | SEOA9851 | SEOB1982 | seob4488 | seob5910 | seob8068 |
| hfc91823 | SEOA1291a | SEOA4455a | seoa7773a | SEOA9951 | SEOB2255 | seob4651 | seob6185 | SOA0646 |
| hfc92141 | SEOA1440a | SEOA5129a | seoa7834a | SEOA9993 | seob2607 | seob4695 | seob6349 | |
| HFCR3195 | SEOA1660a | SEOA5173a | seoa7878a | SEOB0118 | SEOB2663 | seob4746 | seob6382 | |
| hfc95075 | SEOA2007 | SEOA5312a | seoa8029 | SEOB0398 | SEOB2998 | seob4786 | seob6412 | |
| hfc95836 | SEOA2124 | SEOA5505a | seoa8055 | SEOB0628a | seob3269 | seob5150 | seob6517 | |
| MIOA6728a | SEOA2434a | SEOA5582a | SEOA8204 | SEOB1154 | SEOB3336 | seob5154 | seob6681 | |

25. collagen type I alpha 1 (COL1A1) X06269 128

| | | | | | | | | |
|----------|----------|----------|----------|----------|----------|---------|----------|-----------|
| BFCN0211 | FCR1964 | fcrb1465 | hfc90718 | hfc94164 | hfc97366 | hfc9707 | ncrb1898 | SEOA4529 |
| BFCN0077 | FCR1967 | fcrb1476 | hfc90730 | hfc95199 | hfc97414 | hfc9887 | ncrb2179 | SEOA7221a |
| BFCW0090 | FCR2008 | fcrb1506 | hfc90763 | hfc95654 | hfc97609 | hfc9919 | ncrb5229 | SEOA7607a |
| cr0131n | FCR4702 | fcrb1510 | hfc91125 | hfc95811 | hfc97618 | hfc9938 | ncrb5536 | SEOA8327a |
| fc90038n | FCR4768 | fcrb1588 | hfc91152 | hfc96010 | hfc97858 | hfc9965 | ncrb6628 | SEOA9590 |
| fc90039n | FCR4999 | fcrb1612 | hfc91262 | hfc96223 | hfc97956 | hfc9966 | ncrb7568 | SEOA9812 |
| FCR0488 | FCR5251 | fcrb1978 | hfc91315 | hfc96445 | hfc97979 | ncr4067 | ncrb8245 | SEOB2756 |
| FCR0607 | fcrb0056 | fcrb2001 | hfc91320 | hfc96574 | hfc99006 | ncr4544 | ncrb8285 | SEOB3460 |
| FCR0682 | fcrb0089 | fcrb2157 | hfc91383 | hfc96623 | hfc99043 | ncr4613 | ncrb8420 | seob3983 |
| FCR0734 | fcrb0296 | fcrb2538 | hfc92066 | hfc96681 | hfc99355 | ncr4813 | ncrc2729 | seob4352 |
| FCR1148 | fcrb0370 | fcrb2767 | hfc92872 | hfc96904 | hfc99384 | ncr5280 | ncrc3292 | seob5382 |
| FCR1389 | fcrb0407 | hfc90078 | hfc92939 | hfc96988 | hfc99386 | ncr8761 | ncrc3679 | seob5394 |
| FCR1425 | fcrb0568 | hfc90174 | hfc93541 | hfc97059 | hfc99519 | ncr9314 | ncrc4119 | seob5427 |
| FCR1737 | fcrb0815 | hfc90613 | hfc93986 | hfc97088 | hfc99520 | ncr9579 | ncrc6222 | seob5435 |

Figure 6A – Continued

seob5471 seob8181

26. Ribosomal protein S20 (RPS20) NM_001023.1

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| | | | | | | | | |
|----------|----------|---------|-----------|----------|----------|-----------|-----------|----------|
| BFC0560 | FCR5345 | hfc3659 | MIOA1283m | miob0649 | ncr5355 | SEOA1687a | SEOA6043a | seob3757 |
| CR0955 | FCR7236 | hfc4454 | MIOA2265a | miob1208 | ncr6264 | SEOA1711a | SEOA6522a | seob3966 |
| FCR0088 | fcrb0198 | hfc5171 | MIOA2417a | miob1314 | ncr7115 | SEOA1887 | SEOA7291a | seob4768 |
| FCR0284 | fcrb0397 | hfc5619 | MIOA3719a | miob1807 | ncrb0440 | SEOA2260a | SEOA7529a | seob5259 |
| FCR0402 | fcrb1159 | hfc5823 | MIOA3867 | miob3476 | ncrb2472 | SEOA3355a | SEOA8806 | seob5305 |
| FCR0448 | fcrb1683 | hfc5943 | MIOA4940a | miob4134 | ncrb3418 | SEOA3631a | SEOA9345 | seob5932 |
| FCR1040n | fcrb2763 | hfc6005 | MIOA5473a | miob4201 | ncrb4480 | SEOA3659a | SEOA9364 | seob6299 |
| FCR1206 | hfc0438 | hfc6591 | MIOA5826a | miob4577 | ncrb4840 | SEOA3892 | SEOA9503 | seob6632 |
| FCR1291 | hfc0825 | hfc6705 | MIOA7073a | miob4934 | ncrb6460 | SEOA3893 | SEOA9710 | seob6652 |
| FCR1492 | hfc1368 | hfc6958 | MIOA7223a | ncr0005 | ncrc0458 | SEOA4720a | SEOB0240 | seob7031 |
| FCR1754 | hfc2209 | hfc7712 | MIOA7306 | ncr0186 | ncrc0752 | SEOA4825a | SEOB1262 | seob7940 |
| FCR3122 | hfc2842 | hfc8280 | mioa9353 | ncr0408 | ncrc5542 | SEOA5112a | seob2559 | seob7975 |
| FCR3397 | hfc2880 | hfc8914 | miob0231 | ncr1228 | SEOA0307 | SEOA5728a | SEOB2952 | |
| FCR4850 | hfc2931 | hfc9039 | miob0326 | ncr5258 | SEOA0771 | SEOA5828 | SEOB3086 | |

27. ribosomal protein L9 U09953

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| | | | | | | | | |
|---------|----------|---------|-----------|----------|----------|-----------|----------|----------|
| FCR0069 | FCR5198 | hfc0359 | hfc8058 | MIOA8398 | ncrb2265 | ncrc6541 | SEOA9001 | seob4125 |
| FCR0802 | FCR5359 | hfc0532 | hfc8202 | miob5897 | ncrb2565 | ncrc9121 | SEOA9425 | seob4230 |
| FCR1036 | FCR5437 | hfc0950 | hfc8961 | miob5927 | ncrb3211 | ncrc9278 | SEOA9631 | seob5175 |
| FCR1399 | FCR6334 | hfc1322 | hfc9375 | ncr1175 | ncrb4245 | ncrc9406 | SEOB0496 | seob7179 |
| FCR1612 | FCR6525 | hfc1345 | hfc9598 | ncr1585 | ncrb4963 | ncrc9475 | SEOB0759 | seob7581 |
| FCR2007 | FCR6631 | hfc2053 | MIOA0088a | ncr3061 | ncrb7856 | SEOA0170a | SEOB0967 | seob7704 |
| FCR2286 | FCR6975 | hfc3037 | MIOA0151 | ncr6320 | ncrb8042 | SEOA2169 | seob1037 | SOA0264 |
| FCR2320 | FCR7237 | hfc3364 | MIOA0469 | ncr6334 | ncrc2744 | SEOA3090a | SEOB1403 | |
| FCR3665 | fcrb0053 | hfc5858 | MIOA0910a | ncr6579 | ncrc2746 | SEOA4363a | SEOB1616 | |
| FCR4134 | fcrb0275 | hfc6123 | MIOA2527a | ncr7175 | ncrc3641 | SEOA5017a | SEOB1762 | |
| FCR4198 | fcrb0750 | hfc6185 | MIOA3038a | ncr8304 | ncrc4041 | SEOA5149a | SEOB2232 | |
| FCR4326 | fcrb1627 | hfc6203 | MIOA3253a | ncrb0123 | ncrc5163 | SEOA7628a | SEOB3277 | |
| FCR4660 | fcrb2260 | hfc6460 | MIOA6455a | ncrb0442 | ncrc5526 | SEOA8207 | SEOB3348 | |
| FCR5131 | fcrb2486 | hfc6520 | MIOA7584a | ncrb0719 | ncrc6247 | SEOA8919 | seob4064 | |

28. ribosomal protein L34 (RPL34) NM_000995.1

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| | | | | | | | | |
|----------|----------|-----------|-----------|----------|----------|-----------|-----------|----------|
| BFC0229 | fcrb2294 | MIOA1016 | mioa7693a | ncr7231 | ncrb7056 | SEOA0185a | SEOA7432a | seob2622 |
| BFCW0375 | hfc1048 | MIOA1374a | MIOA8463 | ncr8316 | ncrb7438 | SEOA0321 | seoa7986 | SEOB2964 |
| CR0585 | hfc1184 | MIOA2856a | miob0080 | ncr8715 | ncrb7687 | SEOA0994 | seoa8088 | SEOB3437 |
| CR0808 | hfc1840 | MIOA3986a | miob1385 | ncr9203 | ncrc0184 | SEOA2628 | SEOA9473 | seob3951 |
| FCR1163 | hfc1872 | MIOA4329a | miob1806 | ncrb0607 | ncrc1847 | SEOA2664 | SEOA9797 | seob3989 |
| FCR2412 | hfc2140 | MIOA4623a | miob1927 | ncrb2328 | ncrc2432 | seoa4914a | SEOA9836 | seob3990 |
| FCR4205 | hfc5279 | MIOA5086a | miob3452 | ncrb2531 | ncrc3452 | SEOA5139a | SEOB0103 | seob4518 |
| FCR5338 | hfc5505 | MIOA5573a | miob4812 | ncrb2697 | ncrc3731 | SEOA5147a | SEOB0491 | seob5034 |
| FCR7139 | hfc7562 | MIOA5847a | miob5695 | ncrb4004 | ncrc3905 | SEOA5506a | SEOB0713a | seob5516 |
| FCR7547 | hfc7595 | MIOA6086a | ncr0132 | ncrb4240 | ncrc4592 | SEOA6219a | SEOB0978 | seob5951 |
| fcrb1336 | hfc7771 | MIOA6626a | ncr0379 | ncrb5271 | ncrc5854 | SEOA6233 | SEOB2147 | seob7199 |
| fcrb1370 | MIOA0715 | MIOA6681a | ncr1272 | ncrb6009 | ncrc9424 | SEOA7327a | SEOB2254 | seob7550 |

29. "calmodulin 1 (phosphorylase kinase, delta) (CALM1) "NM_006888.1

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|-----------|---------|-----------|-----------|-----------|-----------|-----------|----------|----------|
| BFCW0036n | CR0452 | fcrb1493 | MIOA0650 | MIOA1914a | MIOA3887a | MIOA7173a | MIOA8071 | miob0448 |
| BFCW0056n | CR0797 | MIOA0035a | MIOA1090 | MIOA2391a | MIOA6083a | MIOA7272 | MIOA8185 | miob0718 |
| BFCW0276 | FCR2310 | MIOA0360a | MIOA1648a | MIOA3330a | MIOA6148a | MIOA8024a | mioa9766 | miob0912 |

Figure 6A - Continued

| | | | | | | | | |
|----------|----------|----------|-----------|-----------|-----------|-----------|----------|----------|
| miob1759 | miob6828 | ncr7555 | ncrb8705 | SEOA0323 | SEOA2860 | SEOA6310 | SEOB1120 | seob5650 |
| MIOB2324 | miob6979 | ncr8573 | ncrc1087 | SEOA0430 | SEOA3208 | SEOA7306a | SEOB1817 | seob5657 |
| miob3196 | ncr0615 | ncrb3934 | ncrc2504 | SEOA1409a | SEOA3604a | SEOA8434 | SEOB1894 | seob5693 |
| miob4478 | ncr3165 | ncrb5657 | ncrc4785 | SEOA1516 | SEOA3710a | SEOA8523 | seob2545 | seob6593 |
| miob4545 | ncr4361 | ncrb5748 | ncrc6452 | SEOA1518 | SEOA3719a | SEOA8805 | SEOB2755 | seob6806 |
| miob4689 | ncr4743 | ncrb6549 | ncrc6680 | SEOA1604a | seoa4941a | SEOA9546 | SEOB2925 | seob7162 |
| miob6221 | ncr5222 | ncrb6624 | ncrc6932 | SEOA1686a | SEOA5056a | SEOB0020 | SEOB2947 | seob7749 |
| miob6255 | ncr7024 | ncrb7784 | SEOA0090n | SEOA2502 | SEOA5349 | SEOB0475 | seob5014 | seob8155 |
| miob6697 | ncr7483 | ncrb8355 | SEOA0188A | SEOA2766 | SEOA5657a | SEOB0551 | seob5614 | SOA0650 |

30. ribosomal RNA 18S X03205 103

| | | | | | | | | |
|----------|-----------|-----------|----------|---------|----------|-----------|-----------|----------|
| ncrc6547 | FCR4287 | MIOA6320a | miob3601 | ncr5402 | ncr9627 | ncrc1146 | SEOA1150a | seob3945 |
| ncrc6555 | FCR6421 | MIOA7404a | miob3876 | ncr6384 | ncrb0204 | ncrc1184 | SEOA1524 | seob5192 |
| ncrc1667 | FCR6746 | MIOA8128 | miob4968 | ncr7375 | ncrb0503 | ncrc1437 | SEOA1700a | seob5330 |
| ncrc6502 | FCR7049 | MIOA8269 | miob6246 | ncr7802 | ncrb1685 | ncrc1764 | SEOA5614a | seob6327 |
| ncrc4823 | hfc6355 | MIOA8893 | miob6862 | ncr8157 | ncrb2773 | ncrc1849 | SEOA6447a | seob6565 |
| ncrc4915 | hfc7675 | MIOA8904 | miob6990 | ncr8672 | ncrb3520 | ncrc2972 | SEOA6504a | seob7368 |
| BFCN0226 | MIOA1351a | mioa9199 | ncr1183 | ncr8823 | ncrb3879 | ncrc3198 | SEOA8474 | SOA0131 |
| BFC50228 | MIOA1700 | miob0704 | ncr2394 | ncr8845 | ncrb5491 | ncrc5835 | SEOB0299 | |
| CR1009 | MIOA2489a | miob0779 | ncr2698 | ncr8858 | ncrb6321 | ncrc6173 | SEOB0317 | |
| FCR0199 | MIOA2910a | miob0816 | ncr4539 | ncr8976 | ncrb8176 | ncrc6979 | SEOB1771 | |
| FCR3479 | MIOA3065a | MIOB2574 | ncr4601 | ncr9166 | ncrc0212 | ncrc9386 | SEOB2129 | |
| FCR3903 | MIOA3965a | MIOB2859 | ncr5080 | ncr9463 | ncrc0836 | SEOA1149a | seob2299 | |

31. ribosomal protein L41 AF026844.1 103

| | | | | | | | | |
|----------|----------|-----------|----------|----------|----------|----------|-----------|----------|
| ncrc5811 | FCR1531 | hfc9505 | miob2995 | ncr5776 | ncrb1173 | ncrb8830 | SEOA1324 | SEOB2957 |
| ncrc6095 | FCR2052 | hfc9990 | miob3625 | ncr5836 | ncrb2051 | ncrc0602 | SEOA1692a | SEOB3436 |
| ncrc6879 | FCR2056 | MIOA3321a | miob4273 | ncr5838 | ncrb2659 | ncrc0658 | SEOA3552a | seob4404 |
| ncrc6956 | FCR4450 | MIOA4503a | miob6926 | ncr5856 | ncrb2883 | ncrc0671 | SEOA5242a | seob5867 |
| BFC50527 | FCR4934 | MIOA8307 | ncr0669 | ncr7992 | ncrb3299 | ncrc1599 | SEOA5906 | seob5926 |
| CR0650 | FCR4978 | MIOA9140 | ncr1212 | ncr8540 | ncrb3686 | ncrc1727 | SEOA6518a | seob6319 |
| FCR0087 | fcrb0192 | mioa9611 | ncr2365 | ncr9200 | ncrb5532 | ncrc1891 | SEOA7370a | seob6399 |
| FCR0100 | fcrb0441 | miob0565n | ncr3327 | ncr9328 | ncrb6130 | ncrc2850 | seoa7766a | |
| FCR0158 | fcrb2521 | miob1707 | ncr4146 | ncrb0416 | ncrb6181 | ncrc3433 | SEOA9339 | |
| FCR0393 | fcrb2639 | MIOB2338 | ncr4854 | ncrb0461 | ncrb6513 | ncrc4723 | SEOB0222 | |
| FCR0771 | hfc6038 | MIOB2559 | ncr5128 | ncrb0797 | ncrb7276 | ncrc9939 | SEOB0717a | |
| FCR1134 | hfc8915 | MIOB2579 | ncr5478 | ncrb0833 | ncrb7621 | SEOA0363 | SEOB0821a | |

32. serine protease=HTRA serine protease (PRSS11)=AF157623.1 Y07921 101

| | | | | | | | | |
|-----------|-----------|----------|-----------|------------|-----------|----------|----------|----------|
| BFC50081 | MIOA4193 | miob0729 | miob6359 | SEOA1743a | SEOA4742a | seoa7961 | SEOB2238 | seob5251 |
| hfc5447 | MIOA4264 | miob0941 | ncr2818 | SEOA2142 | SEOA5620a | seoa7998 | seob2538 | seob5398 |
| hfc6311 | MIOA4370a | miob1127 | ncr3916 | SEOA2142 | SEOA6375 | SEOA8263 | seob2585 | seob6858 |
| hfc6405 | MIOA4920a | miob2462 | ncr5126 | SEOA2142 | SEOA6678a | SEOA9236 | seob2597 | SOA0488 |
| hfc7590 | MIOA5225a | miob3655 | ncrb0634 | SEOA2208a | SEOA6740 | SEOA9634 | SEOB3164 | SOA0706 |
| MIOA0732 | MIOA6019a | miob3719 | ncrb7771 | SEOA2352a | seoa6848 | SEOA9920 | SEOB3196 | |
| MIOA1145 | MIOA6646a | miob3719 | ncrb8720 | SEOA2571 | SEOA7127a | SEOB0456 | SEOB3218 | |
| MIOA1145 | MIOA7249a | miob4436 | ncrc5121 | seoa2607mn | SEOA7210a | SEOB0768 | SEOB3343 | |
| MIOA1840a | mioa7936 | miob4470 | seoa0003m | SEOA3341a | SEOA7272a | SEOB0999 | SEOB3435 | |
| MIOA2913a | MIOA8957 | miob4724 | SEOA0354 | SEOA3663a | SEOA7331a | SEOB1674 | SEOB3478 | |
| MIOA3022a | mioa9750 | miob4929 | SEOA0379 | SEOA3668a | SEOA7561a | SEOB1825 | seob4665 | |
| mioa4151n | mioa9901 | miob6108 | SEOA1130a | SEOA4614a | seoa7885a | SEOB2209 | seob5135 | |

Figure 6A – Continued

| | | | | | | | | |
|--|-----------|-----------|----------|----------|-----------|-----------|-----------|-----------|
| 33. ribosomal protein S3a M77234 99 | | | | | | | | |
| ncrc5852 | fcrb0051 | hfc3864 | miob0719 | ncr1309 | ncrb5789 | ncrc3242 | SEOA3792a | SEOB2079 |
| ncrc6245 | fcrb0080 | hfc6710 | miob1253 | ncr2571 | ncrb5824 | ncrc3757 | SEOA4108a | SEOB2969 |
| ncrc6349 | fcrb0108 | hfc9581 | miob3250 | ncr3097 | ncrb5877 | ncrc3998 | SEOA4368a | SEOB3591 |
| BFCW0319 | fcrb2277 | MIOA0026a | miob3617 | ncr3324 | ncrb5971 | ncrc4505 | SEOA6046a | seob3698 |
| FCR2198 | fcrb2365 | MIOA1718a | miob4367 | ncr5088 | ncrb6101 | ncrc5241 | SEOA6428 | seob5376 |
| FCR2868 | fcrb2572 | mioa7881 | miob4802 | ncr5230 | ncrb7348 | seoa0062m | SEOA7222a | seob5887 |
| FCR2977 | fcrb2629 | MIOA8118 | miob5734 | ncr7008 | ncrb8019 | seoa0496m | SEOA7670a | seob6128 |
| FCR4858 | fcrb2696 | MIOA8248 | miob5887 | ncrb2575 | ncrc1787 | SEOA1489 | seoa8090 | seob6130 |
| FCR5523 | hfc0787 | MIOA8263 | miob6195 | ncrb3672 | ncrc2452 | SEOA1664a | SEOA8426 | seob6201 |
| FCR5944 | hfc1873 | MIOA8905 | miob6212 | ncrb4790 | ncrc2671 | SEOA2164 | SEOA8710 | seob8001 |
| FCR7713 | hfc3803 | miob0068 | ncr1200 | ncrb5165 | ncrc2995 | SEOA3505a | SEOB1098 | SOA0210 |
| 34. "ribosomal protein, large, P0 (RPLP0) "NM_001002.1 96 | | | | | | | | |
| BFCW0609 | FCR3083 | fcrb0153 | hfc1191 | hfc3996 | hfc9708 | ncr0768 | ncrb5891 | SEOA2101 |
| CR0064 | FCR3260 | fcrb0342 | hfc1286 | hfc4211 | MIOA0297 | ncr1630 | ncrb6011 | SEOA3958a |
| CR0066 | FCR3717 | fcrb1070 | hfc1747 | hfc6452 | MIOA1028 | ncr3656 | ncrc0529 | SEOA5460 |
| CR0729 | FCR4167 | fcrb1164 | hfc1825 | hfc6480 | MIOA7553a | ncr4124 | ncrc0980 | SEOA6473a |
| FCR0316 | FCR4583 | fcrb1522 | hfc2075 | hfc6788 | MIOA8913 | ncr4668 | ncrc2542 | SEOB0174 |
| FCR0496 | FCR4705 | fcrb1593 | hfc2076 | hfc7382 | miob2401 | ncr8197 | ncrc4025 | seob4596 |
| FCR0543 | FCR4810 | fcrb1625 | hfc2502 | hfc7672 | miob3102 | ncrb0630 | ncrc6507 | seob5961 |
| FCR0726 | FCR5025 | hfc0243 | hfc2869 | hfc8935 | ncr0047 | ncrb1496 | ncrc9867 | seob7126 |
| FCR0921 | FCR7177 | hfc0579 | HFCR3237 | hfc8965 | ncr0134 | ncrb1797 | SEOA1144a | |
| FCR1244 | FCR7227 | hfc0712 | hfc3827 | hfc9072 | ncr0459 | ncrb5292 | SEOA1668a | |
| FCR2646 | FCR7253 | hfc0736 | hfc3995 | hfc9225 | ncr0586 | ncrb5580 | SEOA2030 | |
| 35. metallothionein 1L (MT1L) NM_002450.1 93 | | | | | | | | |
| ncrc6596 | ncrc5918 | ncr2127 | ncr4788 | ncr7755 | ncrb1129 | ncrb4132 | ncrc0489 | ncrc7102 |
| ncrc6590 | ncrc6014 | ncr2149 | ncr4969 | ncr7819 | ncrb1396 | ncrb4293 | ncrc1264 | ncrc9251 |
| ncrc3899 | BFCN0136 | ncr2488 | ncr5174 | ncr8423 | ncrb1418 | ncrb5543 | ncrc1271 | ncrc9321 |
| ncrc4109 | hfc1386 | ncr2770 | ncr5216 | ncr8551 | ncrb2074 | ncrb5741 | ncrc1322 | ncrc9843 |
| ncrc4821 | MIOA1400a | ncr2811 | ncr5423 | ncr9370 | ncrb2719 | ncrb6155 | ncrc2206 | SEOA4716a |
| ncrc5161 | miob2353n | ncr2876 | ncr6182 | ncr9440 | ncrb3091 | ncrb6547 | ncrc2375 | |
| ncrc1440 | miob3396 | ncr3058 | ncr6748 | ncr9612 | ncrb3344 | ncrb6727 | ncrc2804 | |
| ncrc4280 | miob6171 | ncr3814 | ncr6995 | ncr9640 | ncrb3354 | ncrb6776 | ncrc2938 | |
| ncrc1385 | miob6216 | ncr3876 | ncr6997 | ncrb0247 | ncrb3379 | ncrb7481 | ncrc2941 | |
| ncrc4717 | ncr1040 | ncr4548 | ncr7465 | ncrb0358 | ncrb3581 | ncrb7842 | ncrc3102 | |
| ncrc6355 | ncr2098 | ncr4763 | ncr7503 | ncrb0872 | ncrb3873 | ncrb8546 | ncrc4346 | |
| 36. ribosomal protein S8 (RPS8) NM_001012.1 92 | | | | | | | | |
| ncrc2281 | FCR2962 | FCR6774 | hfc0896 | hfc8279 | ncr7864 | ncrb1326 | ncrc0157 | seob6651 |
| ncrc2374 | FCR3382 | FCR6808 | hfc1293 | MIOA8984 | ncr8103 | ncrb1716 | ncrc1068 | seob7389 |
| BFC0299 | FCR3564 | FCR6821 | hfc1785 | miob1743 | ncr8613 | ncrb3524 | ncrc1960 | seob8158 |
| BFC0479 | FCR3750 | FCR7116 | hfc1832 | miob1868 | ncr8860 | ncrb4575 | ncrc3054 | SOA0417 |
| cr0045 | FCR3840 | FCR7586 | hfc2857 | miob2938 | ncr9107 | ncrb4703 | ncrc7153 | |
| CR0480 | FCR3977 | fcrb0622 | hfc3371 | ncr0436 | ncr9441 | ncrb4901 | SEOA1511 | |
| FCR0040 | FCR4505 | fcrb1210 | hfc3487 | ncr4108 | ncr9478 | ncrb5399 | SEOA1957 | |
| FCR0458 | FCR5064 | fcrb2130 | hfc4076 | ncr4530 | ncr9787 | ncrb5431 | SEOA3580a | |
| FCR0563 | FCR5080 | fcrb2432 | hfc6569 | ncr6807 | ncrb0319 | ncrb6139 | SEOA3936 | |
| FCR0902 | FCR5533 | hfc0699 | hfc6898 | ncr7177 | ncrb0380 | ncrb7217 | SEOA5096a | |
| FCR1947 | FCR5894 | hfc0892 | hfc7176 | ncr7541 | ncrb1280 | ncrb7374 | SEOB3152 | |

Figure 6A – Continued

| | | | | | | | | |
|--|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 37. ribosomal protein S6 M20020 | | | | 92 | | | | |
| BFCS0320 | fcrb0015 | hfcr6489 | MIOA5425a | ncr2495 | ncr9010 | ncrc0770 | SEOA3083a | seob5036 |
| FCR0830 | fcrb0745 | hfcr8483 | MIOA7433a | ncr2727 | ncr9687 | ncrc1373 | SEOA4171a | seob6441 |
| FCR1415 | fcrb1462 | hfcr8997 | MIOA8112 | ncr3389 | ncrb0051 | ncrc2700 | SEOA4698a | SOA0317 |
| FCR1483 | hfcr0445 | hfcr9195 | mioa9295 | ncr3460 | ncrb3422 | ncrc2713 | SEOA5889 | SOA0621 |
| FCR3118 | hfcr0474 | hfcr9616 | miob4061 | ncr3765 | ncrb4432 | ncrc3631 | SEOA7423a | |
| FCR3461 | hfcr1296 | MIOA2156a | miob5431 | ncr4584 | ncrb5179 | ncrc4353 | SEOA9666 | |
| FCR3724 | hfcr3034 | MIOA2836a | miob6320 | ncr6884 | ncrb5821 | ncrc6156 | SEOA9990 | |
| FCR3981 | hfcr3521 | MIOA3231a | ncr0044 | ncr7079 | ncrb6185 | ncrc6859 | SEOB1733 | |
| FCR4808 | hfcr4472 | MIOA4585a | ncr0454 | ncr7670 | ncrb6296 | ncrc9608 | SEOB2001 | |
| FCR5654 | hfcr6270 | MIOA4837a | ncr1534 | ncr7831 | ncrb8667 | SEOA2156n | SEOB3193 | |
| FCR6058 | hfcr6442 | MIOA5334a | ncr2225 | ncr8892 | ncrb8802 | SEOA2200a | seob4277 | |
| 38. ribosomal protein L21 U14957.1 | | | | 91 | | | | |
| ncrc3372 | hfcr0846 | MIOA1131 | miob6681 | ncrb0632 | ncrc1449 | SEOA3609a | SEOB0223 | seob7993 |
| ncrc3606 | hfcr1209 | MIOA2994a | miob6752 | ncrb0945 | ncrc1484 | SEOA4347a | SEOB1417 | seob8084 |
| ncrc1420 | hfcr2528 | MIOA4331a | ncr3880 | ncrb2128 | ncrc2166 | SEOA4631a | SEOB1544 | SOA0017 |
| ncrc4279 | hfcr2786 | MIOA4949a | ncr5510 | ncrb3991 | ncrc2248 | SEOA4660a | SEOB1958 | |
| CR0476 | hfcr2923 | MIOA7549a | ncr6752 | ncrb4035 | ncrc2749 | SEOA5409 | seob3749 | |
| FCR2339 | hfcr5850 | MIOA8037a | ncr6964 | ncrb4125 | ncrc4848 | SEOA6297 | seob3994 | |
| FCR3306 | hfcr6363 | mioa9193 | ncr7600 | ncrb4695 | ncrc5416 | SEOA7119a | seob4325 | |
| FCR5792 | hfcr6817 | mioa9646 | ncr8360 | ncrb6963 | ncrc6745 | SEOA7316a | seob4592 | |
| FCR6062 | hfcr7584 | miob1718 | ncr9497 | ncrc0179 | ncrc8927 | SEOA7434a | seob6137 | |
| FCR6192 | hfcr9351 | miob2910 | ncr9592 | ncrc1006 | ncrc9649 | SEOA7539a | seob6212 | |
| fcrb1950 | MIOA0193a | miob6403 | ncrb0365 | ncrc1260 | SEOA0376 | SEOA9549 | seob7136 | |
| 39. transmembrane protein BRI AF246221.1 | | | | 90 | | | | |
| fcrb0049 | MIOA3090a | MIOA6560a | mioa9822 | miob6996 | ncrc0632 | SEOA1601a | SEOA7073a | SEOB2158 |
| hfcr0422 | MIOA3475a | MIOA7251a | MIOB0564 | ncr3871 | ncrc1486 | SEOA3828a | SEOA7556a | SEOB2226 |
| hfcr1123 | MIOA3798 | MIOA7289 | miob0690 | ncr5316 | ncrc4137 | SEOA5104a | SEOA8514 | SEOB2744 |
| hfcr8791 | MIOA3834 | MIOA7597a | miob0731 | ncr8081 | ncrc4829 | SEOA5384 | SEOA9023 | seob3956 |
| MIOA0073a | MIOA3930a | MIOA8276 | miob0959 | ncr9770 | ncrc6305 | SEOA6025a | SEOA9925 | seob4431 |
| MIOA0159 | MIOA4093a | MIOA8510 | miob1246 | ncrb2954 | ncrc9601 | SEOA6085a | SEOB0340 | seob4673 |
| MIOA0282 | MIOA4378a | MIOA9066 | miob1820 | ncrb3002 | ncrc9698 | SEOA6167a | SEOB0368 | seob5481 |
| MIOA0877a | MIOA4608a | mioa9543 | MIOB2277 | ncrb3421 | SEOA0517 | SEOA6209a | SEOB0910a | seob7740 |
| MIOA1666a | MIOA5090a | mioa9747 | miob4821 | ncrb5559 | SEOA0922 | SEOA6485a | SEOB0984 | SOA0589 |
| MIOA1753 | MIOA6487a | mioa9786 | miob6417 | ncrb6226 | SEOA1119a | SEOA6549a | SEOB1083 | SOA0670 |
| 40. ribosomal protein L13a (RPL13a) NM_012423.1 | | | | 89 | | | | |
| ncrc5322 | FCR0383 | FCR3398 | fcrb0122 | fcrb2103 | hfcr3523 | hfcr8819 | ncr0827 | ncrc6560 |
| ncrc5392 | FCR0587 | FCR3922 | fcrb0302 | fcrb2128 | hfcr4464 | hfcr8835 | ncr1141 | ncrc9145 |
| BFCN0001 | FCR0684 | FCR4901 | fcrb0325 | fcrb2736 | hfcr5962 | hfcr8926 | ncr3815 | ncrc9231 |
| BFCN0042 | FCR0945 | FCR5852 | fcrb0665 | hfcr0293 | hfcr6193 | hfcr9084 | ncr9208 | ncrc9835 |
| BFCS0045 | FCR1384 | FCR6579 | fcrb1348 | hfcr0332 | hfcr6289 | hfcr9139 | ncrb4313 | ncrc9836 |
| BFCW0245 | FCR1390 | FCR7118 | fcrb1356 | hfcr0390 | hfcr7356 | hfcr9327 | ncrb4569 | SEOA6153a |
| CR0016 | FCR1929 | FCR7130 | fcrb1624 | hfcr0531 | hfcr7836 | MIOA4107 | ncrb5977 | SEOA7283a |
| CR0307 | FCR2062 | FCR7375 | fcrb1710 | hfcr2288 | hfcr8371 | MIOB2271 | ncrc0199 | SEOA8985 |
| FCR0146 | FCR2243 | FCR7391 | fcrb1880 | hfcr2515 | hfcr8672 | miob2518 | ncrc5349 | SEOB2294 |
| FCR0242 | FCR2621 | FCR7694 | fcrb1967 | HFCR3141 | hfcr8738 | MIOB2561 | ncrc5939 | |

Figure 6A – Continued

41. ribosomal protein L37a L22154 87

| | | | | | | | | |
|----------|---------|----------|----------|---------|-----------|-----------|-----------|-----------|
| BFCN0039 | FCR2475 | FCR7103 | fcrb1673 | hfc3882 | hfc6889 | MIOA8018a | ncrc2239 | SEOA7150a |
| BFCW0137 | FCR2890 | FCR7241 | fcrb1828 | hfc3905 | hfc8025 | MIOA9080 | ncrc3259 | SEOA7308a |
| BFCW0422 | FCR3009 | FCR7354 | fcrb1919 | hfc4037 | hfc8499 | miob0060 | ncrc3272 | SEOA7456a |
| CR0006 | FCR3381 | fcrb0106 | fcrb2063 | hfc5153 | hfc9001 | miob1853 | ncrc9276 | SEOA9732 |
| CR0217 | FCR3858 | fcrb0322 | fcrb2072 | hfc5786 | hfc9415 | ncr7844 | ncrc9390 | SEOB0113 |
| FCR0365 | FCR4399 | fcrb0428 | fcrb2146 | hfc5964 | hfc9671 | ncrb0175 | ncrc9948 | SEOB1652 |
| FCR0614 | FCR4867 | fcrb0688 | fcrb2440 | hfc6200 | MIOA0716 | ncrb2365 | SEOA1977a | seob6266 |
| FCR1101 | FCR5163 | fcrb1058 | fcrb2461 | hfc6298 | MIOA1063 | ncrb3599 | SEOA3625a | seob6567 |
| FCR1434 | FCR6170 | fcrb1208 | fcrb2646 | hfc6572 | MIOA6115a | ncrb6759 | SEOA4288a | |
| FCR2420 | FCR6618 | fcrb1343 | hfc3017 | hfc6775 | MIOA7026a | ncrc0173 | SEOA6906 | |

42. ribosomal protein S11 (RPS11) NM_001015.1 87

| | | | | | | | | |
|----------|----------|----------|-----------|-----------|----------|-----------|-----------|----------|
| BFCN0109 | FCR2873 | fcrb2237 | hfc6381 | MIOA2795a | ncr1669 | ncrc0656 | SEOA2155 | SEOB0180 |
| BFCN0164 | FCR3380 | fcrb2568 | hfc6702 | MIOA4019a | ncr2400 | ncrc1555 | SEOA3855 | SEOB0459 |
| BFCS0093 | FCR4898 | fcrb2631 | hfc7019 | MIOA5358a | ncr2926 | ncrc1645 | SEOA4508 | SEOB1623 |
| FCR0091 | FCR5168 | hfc1109 | hfc7224 | MIOA6131a | ncr4900 | ncrc2199 | SEOA4775a | seob5835 |
| FCR0598 | FCR5883 | hfc1316 | hfc7657 | MIOA6928a | ncr7041 | ncrc2772 | seoa4961a | seob6838 |
| FCR1643 | FCR7519 | hfc2254 | hfc7872 | MIOA8717 | ncr7765 | ncrc2939 | SEOA6660a | seob8314 |
| FCR2246 | fcrb1157 | hfc3935 | hfc9215 | mioa9207 | ncrb0088 | ncrc3025 | seoa6773 | SOA0284 |
| FCR2280 | fcrb1480 | hfc4031 | hfc9973 | mioa9707 | ncrb2540 | ncrc5454 | seoa6991 | |
| FCR2636 | fcrb1860 | hfc4565 | MIOA0415a | miob6710 | ncrb3602 | SEOA0089n | seoa7880a | |
| FCR2772 | fcrb2225 | hfc6209 | MIOA2057 | ncr0387 | ncrb3829 | SEOA1697a | SEOA8832 | |

43. cytochrome c oxidase subunit VIc (COX6C) NM_004374.1 85

| | | | | | | | | |
|-----------|-----------|----------|----------|-----------|-----------|----------|----------|----------|
| FCR3769 | MIOA5326a | miob3241 | ncr6601 | ncrc6913 | SEOA5028a | SEOA8208 | SEOB1870 | seob6767 |
| FCR5066 | MIOA5585a | miob3727 | ncr8631 | SEOA0022 | SEOA5030a | SEOA8209 | SEOB2645 | seob7375 |
| hfc9412 | MIOA7097a | miob4568 | ncr8846 | SEOA0758 | SEOA6146a | SEOA8614 | SEOB2732 | seob7665 |
| MIOA0139 | miob7874 | miob4674 | ncrb3122 | SEOA1020 | SEOA6194a | SEOA8656 | SEOB3519 | seob7957 |
| MIOA0367a | MIOA8232 | miob6222 | ncrb3410 | SEOA1663a | SEOA6465a | SEOA9176 | seob4032 | seob8279 |
| mioa0575a | miob1117 | ncr2967 | ncrb5108 | SEOA2514 | seoa6789 | SEOA9303 | seob4033 | |
| MIOA0838a | miob1273 | ncr3799 | ncrb7161 | SEOA2927a | seoa7047 | SEOA9839 | seob4557 | |
| MIOA1938a | MIOB1577 | ncr5381 | ncrc1290 | SEOA4499 | SEOA7302a | SEOB0300 | seob5018 | |
| MIOA3578a | miob2491 | ncr5505 | ncrc3029 | SEOA4824a | seoa7972 | SEOB1242 | seob6069 | |
| MIOA3975a | MIOB2712 | ncr5560 | ncrc6197 | seoa4911a | seoa8058 | SEOB1532 | seob6635 | |

44. Ribosomal Protein L10 (QM Protein) (Tumor Suppressor QM) (Laminin Receptor Homolog) spP27635 85

| | | | | | | | | |
|-----------|---------|----------|----------|---------|-----------|----------|-----------|-----------|
| BFCS0048n | FCR1331 | FCR5580 | fcrb2057 | hfc3890 | hfc8838 | ncr7679 | ncrc9189 | SEOB0707a |
| BFCS0058 | FCR1458 | FCR5629 | fcrb2348 | hfc3982 | hfc8917 | ncr8150 | ncrc9223 | SEOB1822 |
| BFCS0491 | FCR1742 | FCR5916 | hfc1156 | hfc4337 | hfc9853 | ncrb3537 | SEOA1469a | seob4010 |
| CR0354 | FCR2043 | FCR6327 | hfc1306 | hfc5193 | MIOA1095 | ncrb6865 | SEOA5712a | seob4394 |
| CR0453 | FCR2312 | FCR6626 | hfc1333 | hfc5799 | MIOA1720a | ncrb8056 | SEOA6742 | seob6398 |
| FCR0079 | FCR2778 | FCR7373 | hfc1661 | hfc7348 | MIOA2736a | ncrc3787 | seoa6978 | |
| FCR0556 | FCR2823 | FCR7427 | hfc1669 | hfc7542 | MIOA4313a | ncrc4900 | seoa6988 | |
| FCR0756 | FCR3733 | fcrb1790 | hfc2062 | hfc8015 | MIOA6843a | ncrc5693 | SEOA8379a | |
| FCR0991 | FCR3897 | fcrb1841 | hfc2310 | hfc8420 | MIOA8515 | ncrc6119 | SEOA9824 | |
| FCR1059 | FCR4690 | fcrb2018 | hfc3861 | hfc8433 | ncr7020 | ncrc8940 | SEOB0512 | |

45. ribosomal protein L31 NM_000993.1 84

| | | | | | | | | |
|---------|---------|----------|----------|---------|---------|---------|-----------|-----------|
| FCR0952 | FCR4215 | FCR6400 | fcrb1587 | hfc3439 | hfc5252 | hfc9060 | hfc9652 | MIOA4895a |
| FCR3791 | FCR5289 | fcrb0284 | hfc1691 | hfc4078 | hfc6945 | hfc9123 | MIOA3951a | MIOA4974a |

Figure 6A – Continued

| | | | | | | | | |
|-----------|----------|----------|----------|----------|-----------|-----------|----------|----------|
| MIOA5858a | miob3781 | ncr6365 | ncrb4144 | ncrc1491 | ncrc9656 | SEOA5269a | SEOB1228 | seob6726 |
| MIOA6151a | miob4463 | ncr7464 | ncrb4991 | ncrc2416 | SEOA0555A | seoa6762 | SEOB1256 | seob8095 |
| MIOA6805a | ncr2554 | ncr7682 | ncrb5373 | ncrc2665 | SEOA0839 | SEOA6925 | SEOB3443 | |
| MIOA7345a | ncr2832 | ncr7709 | ncrb5989 | ncrc2735 | SEOA1995 | SEOA7345a | seob3667 | |
| mioa7817a | ncr3614 | ncr8349 | ncrb6220 | ncrc3956 | SEOA2573 | seoa8096 | seob4351 | |
| mioa9921 | ncr3676 | ncrb1063 | ncrb6277 | ncrc5191 | SEOA2601 | SEOA8321a | seob4647 | |
| miob1118 | ncr4958 | ncrb1164 | ncrb7092 | ncrc6071 | SEOA3541a | SEOA9947 | seob4981 | |
| miob3729 | ncr5794 | ncrb1463 | ncrb7567 | ncrc9083 | SEOA4448a | SEOB0563 | seob6335 | |

46. annexin A2 (ANXA2)(lipocortin II) NM_004039.1

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| | | | | | | | | |
|----------|-----------|----------|----------|----------|-----------|-----------|----------|----------|
| ncrc6847 | fcrb0268 | MIOB0541 | ncr8869 | ncrb8813 | SEOA2035 | SEOA5294a | SEOB0365 | seob6800 |
| ncrc7095 | fcrb2393 | miob5957 | ncrb0015 | ncrc0238 | SEOA2118 | SEOA5404 | SEOB1016 | seob8052 |
| BFCN0172 | hfcf3839 | miob6422 | ncrb0253 | ncrc2659 | SEOA2151 | SEOA5786 | SEOB1209 | seob8287 |
| CR0814 | hfcf6846 | ncr0995 | ncrb1234 | ncrc3859 | SEOA2294a | SEOA7619a | seob2564 | |
| FCR0148 | hfcf7701 | ncr1134 | ncrb2271 | ncrc6073 | SEOA2460a | SEOA8762 | SEOB2781 | |
| FCR0200 | hfcf7800 | ncr1284 | ncrb2405 | ncrc6525 | SEOA2707 | SEOA8787 | SEOB3025 | |
| FCR0478 | MIOA2109 | ncr5458 | ncrb2585 | ncrc6591 | SEOA3539a | SEOA8908 | SEOB3184 | |
| FCR2896 | MIOA6230a | ncr5521 | ncrb4027 | ncrc7163 | SEOA3849 | SEOB0108 | seob5555 | |
| FCR6410 | MIOA7313 | ncr6850 | ncrb5565 | ncrc9281 | SEOA3850 | SEOB0129 | seob5587 | |
| FCR7071 | mioa9212 | ncr8200 | ncrb7363 | SEOA0067 | seoa4906a | SEOB0236 | seob5992 | |

47. translationally controlled tumor protein (TCTP) X16064

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| | | | | | | | | |
|---------|----------|-----------|-----------|----------|-----------|-----------|-----------|----------|
| CR0235 | FCR4950 | hfcf0108 | MIOA4926a | ncr0604 | ncrc0138 | SEOA2034 | SEOA7154a | SEOB3382 |
| FCR0743 | FCR5099 | hfcf0599 | MIOA6264a | ncr2172 | ncrc4170 | SEOA2609 | SEOA8441 | SOA0249 |
| FCR2273 | FCR5935 | hfcf3810 | MIOA6798a | ncr5164 | ncrc4323 | seoa2643m | SEOA8576 | |
| FCR2735 | FCR6031 | MIOA0138 | MIOA7320 | ncr8721 | ncrc8984 | SEOA4492 | SEOA8742 | |
| FCR2766 | FCR6303 | MIOA1107 | MIOA8959 | ncrb0459 | SEOA0044n | SEOA5510a | SEOA9701 | |
| FCR3436 | FCR6871 | MIOA1884a | MIOA9120 | ncrb0687 | seoa0268m | SEOA5511a | SEOB1249 | |
| FCR3530 | FCR6996 | MIOA2302a | mioa9200 | ncrb0952 | SEOA0369 | SEOA5862 | SEOB1523 | |
| FCR4260 | FCR7449 | MIOA3619a | mioa9553 | ncrb6164 | SEOA0397 | SEOA6282 | SEOB1523 | |
| FCR4829 | FCR7719 | MIOA3917a | miob2445 | ncrb8101 | SEOA1899 | SEOA6448a | SEOB1828 | |
| FCR4948 | hfcf0012 | MIOA3960a | MIOB2667 | ncrb8494 | SEOA1987 | SEOA6719 | SEOB2650 | |

48. RIBOSOMAL PROTEIN L17 spP18621

80

| | | | | | | | | |
|----------|---------|----------|-----------|-----------|----------|-----------|-----------|----------|
| BFCW0231 | FCR1470 | FCR5427 | hfcf7001 | MIOA4123 | ncr9761 | SEOA0818 | SEOA5842 | SEOA9688 |
| CR0875 | FCR1782 | FCR5460 | hfcf7401 | MIOA6680a | ncrb2369 | SEOA1344 | SEOA6104a | SEOB1356 |
| FCR0164 | FCR1861 | FCR6352 | hfcf7491 | MIOA7066a | ncrb2437 | SEOA2419a | SEOA6113a | SEOB2023 |
| FCR0222 | FCR1949 | FCR6884 | hfcf7980 | mioa9722 | ncrb4612 | SEOA3386a | SEOA6239 | SEOB2028 |
| FCR0412 | FCR2883 | FCR7228 | MIOA0359a | miob3069 | ncrb8229 | SEOA3655a | SEOA6385 | seob5955 |
| FCR0596 | FCR4060 | fcfb1236 | MIOA2383a | ncr0556 | ncrc2071 | SEOA3858 | SEOA6440 | seob6387 |
| FCR0878 | FCR4228 | hfcf1002 | MIOA3605a | ncr1803 | ncrc3041 | SEOA4557 | SEOA7391a | seob6889 |
| FCR0995 | FCR5093 | hfcf1166 | MIOA3806 | ncr5931 | ncrc5793 | SEOA5327a | SEOA9168 | seob7461 |
| FCR1321N | FCR5193 | hfcf5708 | MIOA3823 | ncr7601 | SEOA0483 | SEOA5815 | SEOA9587 | seob8311 |

49. ribosomal protein S25 (RPS25) NM_001028.1

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| | | | | | | | | |
|---------|----------|-----------|-----------|----------|----------|----------|-----------|-----------|
| FCR1003 | FCR6522 | hfcf6510 | MIOA6735a | miob1214 | ncr2918 | ncrb6183 | SEOA2596 | SEOA5231a |
| FCR1400 | fcfb0576 | hfcf6917 | MIOA7454a | miob3716 | ncr2968 | ncrc4055 | SEOA3021a | SEOA6274 |
| FCR1436 | fcfb2444 | hfcf7507 | MIOA7502a | miob4977 | ncr5553 | ncrc5117 | SEOA3201 | SEOA6279 |
| FCR1528 | hfcf0974 | MIOA0642 | mioa7906 | miob5094 | ncr8080 | ncrc9084 | seoa3254m | seoa6962 |
| FCR4138 | hfcf2936 | MIOA2426a | MIOA8482 | miob5641 | ncrb5680 | ncrc9322 | SEOA3776a | seoa7057 |
| FCR4851 | hfcf3072 | MIOA2715a | MIOA8487 | miob6744 | ncrb5774 | SEOA1878 | SEOA4319a | SEOA7482a |
| FCR5169 | hfcf6082 | MIOA5188a | miob0371 | ncr0469 | ncrb6095 | SEOA1915 | SEOA5083a | SEOA8630 |

Figure 6A – Continued

| SEOB0330 SEOB0441 | SEOB0543 SEOB0684a | SEOB0858a SEOB0911a | SEOB1811 SEOB2145 | SEOB3388 SEOB3474 | seob3979 seob4303 | seob4445 seob5436 | seob6073 seob6787 | seob7045 |
|--|-----------------------|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|-----------|
| 50. collagen type XI alpha 1 (COL11A1) NM_001854.1 79 | | | | | | | | |
| BFCN0019 | FCR3061 | FCR6740 | fcrb1959 | hfc3645 | hfc39803 | ncr0765 | ncrb8744 | SEOA1078a |
| BFCW0067 | FCR4065 | FCR7338 | fcrb2337 | hfc3667 | MIOA1616a | ncr0862 | ncrc0612 | SEOA3652a |
| CR0981 | FCR4480 | fcrb0295 | fcrb2427 | hfc4440 | MIOA2398a | ncr3972 | ncrc3547 | SEOA3721a |
| FCR1183 | FCR4833 | fcrb0311 | fcrb2700 | hfc5821 | mioa9888 | ncr4845 | ncrc3851 | SEOA5863 |
| FCR1389 | FCR4999 | fcrb0718 | hfc0971 | hfc6956 | miob1059 | ncr5322 | ncrc4919 | SEOA8846 |
| FCR1425 | FCR5251 | fcrb1524 | hfc2334 | hfc6981 | MIOB2095 | ncr8476 | ncrc5211 | SEOB2193 |
| FCR1964 | fcr5270n | fcrb1637 | hfc2833 | hfc8011 | miob3187 | ncrb6982 | ncrc5295 | seob5225 |
| FCR2008 | FCR5847 | fcrb1681 | hfc3379 | hfc8492 | miob3187 | ncrb7182 | ncrc6628 | seob6665 |
| FCR2481 | FCR5986 | fcrb1857 | hfc3421 | hfc9540 | ncr0320 | ncrb7998 | SEOA0779 | |
| 51. fibromodulin (FMOD) NM_002023.2 79 | | | | | | | | |
| ncrc3689 | hfc0607 | MIOA6171a | miob4090 | ncr8395 | ncrb3446 | ncrb6898 | ncrc5001 | SEOA3929 |
| ncrc3688 | MIOA0370a | MIOA6274a | miob4738 | ncr8762 | ncrb3845 | ncrb6927 | ncrc6146 | SEOA6054a |
| BFCW0462 | MIOA0748 | MIOA6465a | ncr0409 | ncr9396 | ncrb3853 | ncrb7552 | ncrc8915 | SEOB0081 |
| FCR4298 | MIOA1265 | MIOA6711a | ncr0975 | ncr9645 | ncrb5434 | ncrc0681 | ncrc9183 | SEOB0372 |
| FCR4577 | MIOA1553 | MIOA8507 | ncr1035 | ncrb0925 | ncrb5483 | ncrc1265 | ncrc9366 | seob2613 |
| FCR4915 | MIOA3682a | mioa9288 | ncr1261 | ncrb1139 | ncrb5607 | ncrc3028 | SEOA0274 | seob4593 |
| FCR5511 | MIOA4214 | mioa9725 | ncr2354 | ncrb1189 | ncrb5636 | ncrc3220 | SEOA0530 | seob5346 |
| fcrb0079 | MIOA5535a | miob1460 | ncr4525 | ncrb1680 | ncrb6014 | ncrc3814 | SEOA0815 | seob6471 |
| fcrb2318 | MIOA5961a | miob3317 | ncr5756 | ncrb2396 | ncrb6743 | ncrc3984 | SEOA1331 | |
| 52. collagen type IX alpha 1 (COL9A1)(ORF) NM_001851.1 78 | | | | | | | | |
| BFCN0097 | FCR1975 | FCR6017 | fcrb0316 | fcrb2508 | hfc0697 | hfc2916 | hfc6335 | hfc9124 |
| BFCN0239 | FCR3734 | FCR6469 | fcrb0592 | fcrb2598 | hfc0840 | hfc3384 | hfc6362 | hfc9922 |
| CR0556 | FCR3934 | FCR6735 | fcrb1063 | hfc0044 | hfc0978 | hfc3764 | hfc6895 | ncr9432 |
| CR0794 | FCR4299 | FCR6874 | fcrb1199 | hfc0140 | hfc1075 | hfc3958 | hfc7353 | ncrb3492 |
| FCR0150 | FCR4334 | FCR7008 | fcrb1628 | hfc0303 | hfc1167 | hfc4545 | hfc8399 | ncrb5133 |
| FCR1323 | FCR4799 | FCR7124 | fcrb1670 | hfc0356 | hfc1235 | hfc4604 | hfc8501 | ncrc5843 |
| FCR1330N | FCR5027 | fcrb0008 | fcrb1778 | hfc0398 | hfc1335 | hfc5086 | hfc8969 | ncrc6823 |
| FCR1363N | FCR5582 | fcrb0072 | fcrb2079 | hfc0509 | hfc2069 | hfc5468 | hfc9033 | |
| FCR1716 | FCR5920 | fcrb0266 | fcrb2459 | hfc0639 | hfc2807 | hfc5756 | hfc9085 | |
| 53. thioredoxin (TXN) J04026 75 | | | | | | | | |
| FCR1367 | MIOA3109a | mioa7827a | ncr2285 | ncrc2111 | SEOA3091a | SEOA6537a | SEOB0681a | seob6623 |
| FCR3058 | MIOA5049a | mioa7880 | ncr6012 | ncrc8909 | SEOA3267 | seoa6780 | SEOB0743 | seob7005 |
| hfc0309 | MIOA6508a | MIOA8233 | ncr6585 | ncrc9237 | SEOA3457a | SEOA7464a | SEOB1475 | seob7729 |
| hfc3642 | MIOA6525a | mioa9231 | ncr8720 | SEOA0315n | SEOA3545a | seoa8024 | SEOB1591 | |
| MIOA0947 | MIOA6571a | mioa9868 | ncrb3007 | SEOA0432 | SEOA3601a | SEOA9247 | SEOB1890 | |
| MIOA2278a | MIOA7079a | miob0922 | ncrb4305 | seoa1008m | SEOA4786a | SEOA9457 | SEOB3116 | |
| MIOA2697a | MIOA7290 | miob5437 | ncrb6218 | SEOA1850a | SEOA5350 | SEOA9591 | SEOB3178 | |
| MIOA2902a | MIOA7448a | miob5681 | ncrb6455 | SEOA2594 | SEOA5964 | SEOA9743 | SEOB3321 | |
| MIOA2958a | MIOA7508a | ncr2050 | ncrc0668 | SEOA2997a | SEOA6464a | SEOA9941 | seob4248 | |
| 54. ribosomal protein L37 L11567 75 | | | | | | | | |
| BFCN0210 | FCR0151 | FCR1746 | FCR3548 | FCR7304 | fcrb0253 | fcrb2186 | hfc0664 | hfc2623 |
| BFCN0513 | FCR1302 | FCR1786 | FCR3829 | FCR7305 | fcrb1705 | fcrb2657 | hfc0753 | HFCR3132 |
| BFCW0114 | FCR1514 | FCR2443 | FCR5149 | FCR7354 | fcrb1804 | hfc0073 | hfc2282 | hfc3613 |

Figure 6A – Continued

| | | | | | | | |
|---------|-----------|----------|----------|----------|-----------|----------|----------|
| hfc4154 | hfc9649 | miob6493 | ncr7262 | ncrb3712 | ncrc9220 | SEOA6906 | SEOB2197 |
| hfc7688 | MIOA6216a | ncr1236 | ncr8629 | ncrb5379 | ncrc9904 | SEOA9936 | SEOB2677 |
| hfc7961 | MIOA6421a | ncr1779 | ncr9661 | ncrc0170 | SEOA1391 | SEOB0390 | SEOB3018 |
| hfc7974 | MIOA7049a | ncr3420 | ncrb2533 | ncrc1556 | SEOA2490 | SEOB1393 | seob4744 |
| hfc8859 | miob1083 | ncr5324 | ncrb2548 | ncrc5178 | SEOA4467a | SEOB1652 | seob6086 |
| hfc9555 | miob4794 | ncr5723 | ncrb2571 | ncrc5721 | SEOA5523a | SEOB1755 | seob7553 |

55. "ribosomal protein S4, X-linked (RPS4X) "NM_001007.1 71

| | | | | | | | | |
|----------|----------|----------|---------|-----------|----------|----------|----------|-----------|
| BFC50092 | FCR3761 | fcrb2510 | hfc2508 | hfc9644 | miob0940 | ncr2387 | ncrb0240 | SEOA3972a |
| BFCW0574 | FCR4010 | fcrb2549 | hfc2563 | MIOA0205a | MI0B2248 | ncr3579 | ncrb3959 | SEOA4280a |
| CR0312 | FCR4862 | fcrb2639 | hfc3947 | MIOA1292 | MI0B2865 | ncr4082 | ncrb4535 | SEOA4413a |
| CR0505 | FCR5766 | hfc0351 | hfc5067 | MIOA8695 | miob4527 | ncr4705 | ncrb8117 | SEOB0178 |
| FCR0248 | fcrb0389 | hfc0682 | hfc6019 | MIOA8695 | miob6112 | ncr5887 | ncrc1627 | SEOB1170 |
| FCR1343 | fcrb0963 | hfc0976 | hfc6887 | mioa9772 | ncr0330 | ncr9424 | ncrc2180 | seob7253 |
| FCR1858 | fcrb1598 | hfc2027 | hfc7173 | miob0761 | ncr0466 | ncr9491 | ncrc9858 | seob8252 |
| FCR2326 | fcrb1849 | hfc2045 | hfc7642 | miob0855 | ncr1916 | ncrb0201 | SEOA2799 | |

56. "NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 4 (9kD, MLRQ) (NDUFA4) "NM_002489.1 69

| | | | | | | | | |
|-----------|-----------|-----------|-----------|-----------|-----------|----------|-----------|----------|
| FCR0841 | MIOA7558a | miob3832 | SEOA0481 | SEOA3466a | seoa6942 | SEOA9155 | SEOB1156 | seob5356 |
| FCR6689 | MIOA8394 | miob4329 | SEOA1342 | SEOA3547a | SEOA7243a | SEOA9171 | SEOB1283 | seob5449 |
| FCR6961 | MIOA9117 | miob4896 | SEOA1786a | SEOA4187a | SEOA7360a | SEOA9890 | seob1679n | seob6192 |
| hfc3816 | mioa9728 | ncr3341 | SEOA1884 | SEOA4736a | SEOA7461a | SEOB0095 | SEOB2213 | seob6514 |
| hfc5659 | mioa9961 | ncrb2861 | SEOA2453a | SEOA4773a | seoa7813a | SEOB0225 | SEOB3145 | seob7888 |
| MIOA1307 | miob0758 | ncrc1472 | SEOA2661 | SEOA5547a | seoa8064 | SEOB0363 | SEOB3504 | |
| MIOA5514a | MI0B2111 | ncrc1727 | SEOA2993a | SEOA5741a | seoa8065 | SEOB0601 | seob4470 | |
| MIOA6662a | miob2985 | SEOA0162a | SEOA3371a | SEOA6551a | seoa8072 | SEOB1033 | seob5245 | |

57. ribosomal protein L3 (RPL3) NM_000967.1 69

| | | | | | | | | |
|----------|---------|----------|----------|----------|-----------|----------|-----------|-----------|
| BFCN0003 | FCR4459 | FCR6508 | fcrb2071 | hfc1714 | hfc9439 | miob6781 | ncrc6720 | SEOA7534a |
| BFCW0014 | FCR4661 | FCR6660 | fcrb2188 | hfc2513 | hfc9550 | ncr3906 | ncrc8939 | SEOB0216 |
| FCR0555 | FCR4772 | FCR7448 | fcrb2219 | HFCR3228 | MIOA1289 | ncr8373 | ncrc9244 | SEOB3228 |
| FCR1489 | FCR4863 | fcrb0681 | fcrb2535 | hfc6433 | MIOA1633a | ncr8593 | SEOA0402 | seob3987 |
| FCR1596N | FCR5014 | fcrb0684 | hfc0149 | hfc6765 | MIOA3451a | ncrc0110 | SEOA2266a | seob4978 |
| FCR1832 | FCR5155 | fcrb1322 | hfc0798 | hfc6896 | miob0936 | ncrc1064 | SEOA2305a | |
| FCR2055 | FCR5196 | fcrb1388 | hfc0933 | hfc7828 | miob4239 | ncrc2189 | SEOA7493a | |
| FCR4135 | FCR5623 | fcrb1577 | hfc0940 | hfc8908 | miob5656 | ncrc4926 | SEOA7516a | |

58. LINE-1 REVERSE TRANSCRIPTASE HOMOLOG (=putative p150) sp08547 68

| | | | | | | | | |
|-----------|----------|----------|---------|----------|----------|----------|----------|----------|
| ncrc4841 | mioa9715 | miob6928 | ncr3330 | ncr7951 | ncrb3860 | ncrc3159 | ncrc6703 | seob6148 |
| ncrc5022 | miob0184 | ncr0422 | ncr3468 | ncr8310 | ncrb6723 | ncrc3204 | ncrc7091 | seob6182 |
| hfc0882 | miob0522 | ncr0505 | ncr5681 | ncr9305 | ncrb7313 | ncrc3786 | ncrc9267 | seob6283 |
| mioa0136m | miob0669 | ncr0514 | ncr5708 | ncr9853 | ncrb7775 | ncrc4112 | ncrc9309 | seob6822 |
| MIOA3911a | miob1725 | ncr0525 | ncr7128 | ncrb0725 | ncrb8499 | ncrc4516 | ncrc9564 | |
| MIOA7295 | miob3754 | ncr3120 | ncr7143 | ncrb2043 | ncrc0853 | ncrc4551 | seob1042 | |
| mioa9386 | miob6328 | ncr3231 | ncr7471 | ncrb2239 | ncrc1754 | ncrc5181 | seob3686 | |
| mioa9402 | miob6630 | ncr3287 | ncr7949 | ncrb3587 | ncrc3087 | ncrc6672 | seob5686 | |

59. ribosomal protein L6 X69391 66

| | | | | | | | | |
|----------|---------|---------|----------|----------|----------|---------|---------|-----------|
| FCR0265 | FCR3740 | FCR4497 | FCR6827 | fcrb1685 | fcrb2105 | hfc1252 | hfc7778 | MIOA1529 |
| FCR1061n | FCR4019 | FCR4779 | fcrb1088 | fcrb1780 | fcrb2236 | hfc1778 | hfc9176 | MIOA3177a |
| FCR2738 | FCR4350 | FCR5508 | fcrb1305 | fcrb2045 | fcrb2315 | hfc5769 | hfc9226 | MIOA4563a |

Figure 6A – Continued

| | | | | | | | | |
|--|----------|----------|----------|-----------|-----------|-----------|-----------|----------|
| MIOA6194a | mioa9877 | ncr2808 | ncrb0223 | ncrc0732 | SEOA1155a | SEOA7568a | seob5746 | |
| MIOA6799a | miob3620 | ncr2870 | ncrb6689 | ncrc2295 | SEOA1276a | SEOB3316 | seob7309 | |
| MIOA7132a | miob3631 | ncr7349 | ncrb7097 | ncrc3544 | SEOA5059a | seob5041 | seob7870 | |
| MIOA8936 | ncr0393 | ncr7770 | ncrb7185 | ncrc3648 | SEOA5545a | seob5270 | seob8172 | |
| mioa9762 | ncr1578 | ncrb0037 | ncrc0617 | ncrc3648 | SEOA5916 | seob5685 | | |
| 60. ribosomal protein L32 (RPL32) NM_000994.1 | | | | 66 | | | | |
| BFC0083 | FCR0886 | fcrb2032 | hfc2514 | hfc9071 | MIOA3608a | ncrb0488 | ncrc1799 | seob4964 |
| BFC0389 | FCR4652 | fcrb2081 | hfc2682 | hfc9210 | mioa9507 | ncrb4083 | ncrc2065 | seob6094 |
| BFCW0384 | FCR4726 | fcrb2092 | hfc3773 | hfc9471 | mioa9664 | ncrb4929 | ncrc5204 | |
| BFCW0605 | FCR4875 | fcrb2406 | hfc4156 | hfc9539 | miob0777 | ncrb6587 | ncrc9397 | |
| CR0042 | FCR5201 | fcrb2563 | hfc5671 | hfc9640 | ncr2995 | ncrb7604 | SEOA5904 | |
| CR0167 | FCR5727 | fcrb2705 | hfc6091 | hfc9663 | ncr4816 | ncrb7839 | SEOB0167 | |
| CR0231 | FCR6443 | hfc0558 | hfc6213 | MIOA0197a | ncr6019 | ncrc0049 | SEOB1114 | |
| FCR0235 | fcrb0037 | hfc0605 | hfc6865 | MIOA1668a | ncr6375 | ncrc0397 | SEOB1184 | |
| 61. ribosomal protein L27 (RPL27) NM_000988.1 | | | | 65 | | | | |
| BFCW0589 | FCR4638 | hfc3676 | hfc9143 | miob3736 | ncrb4847 | SEOA4009a | SEOA7083a | seob7060 |
| cr0018n | FCR5376 | hfc4166 | hfc9958 | miob6605 | ncrb5528 | SEOA4131a | seoa7753a | |
| FCR0890 | FCR6255 | hfc5037 | hfc9985 | ncr1992 | ncrc3556 | SEOA4217a | SEOA8256 | |
| FCR2721 | FCR6345 | hfc5133 | MIOA0698 | ncr2490 | ncrc6030 | SEOA4838a | SEOA8256 | |
| FCR3569 | FCR7291 | hfc6272 | MIOA8066 | ncr3363 | ncrc6509 | SEOA5274a | SEOB0945 | |
| FCR3716 | fcrb0327 | hfc7376 | MIOA8126 | ncr5683 | ncrc9692 | SEOA5497a | seob5557 | |
| FCR3955 | hfc0089 | hfc7841 | MIOA8126 | ncr7157 | SEOA1456a | SEOA6276 | seob6322 | |
| FCR4487 | HFCR3236 | hfc8887 | miob0789 | ncr8651 | SEOA3244 | SEOA6461a | seob6380 | |
| 62. reverse transCRiptase D84391 | | | | 64 | | | | |
| hfc0882 | miob1725 | ncr0525 | ncr5708 | ncr9853 | ncrc0853 | ncrc4551 | ncrc9309 | |
| MIOA3538a | miob3754 | ncr3120 | ncr7128 | ncrb0725 | ncrc1754 | ncrc4841 | ncrc9564 | |
| mioa9386 | miob6328 | ncr3231 | ncr7143 | ncrb2043 | ncrc3087 | ncrc5022 | seob1042 | |
| mioa9402 | miob6630 | ncr3260 | ncr7471 | ncrb2239 | ncrc3159 | ncrc5181 | seob5686 | |
| mioa9715 | miob6928 | ncr3287 | ncr7949 | ncrb6723 | ncrc3204 | ncrc6672 | seob6148 | |
| miob0184 | ncr0422 | ncr3330 | ncr7951 | ncrb7313 | ncrc3786 | ncrc6703 | seob6182 | |
| miob0522 | ncr0505 | ncr3468 | ncr8310 | ncrb7775 | ncrc4112 | ncrc7091 | seob6283 | |
| miob0669 | ncr0514 | ncr5681 | ncr9305 | ncrb8499 | ncrc4516 | ncrc9267 | seob6822 | |
| 63. asporin (ASP) (LRR class 1) NM_017680.1 | | | | 63 | | | | |
| SEOA2496 | miob1138 | miob2889 | miob6733 | ncrc4009 | SEOA8780 | SEOB1107 | seob4241 | seob6474 |
| mioa7722a | MIOB1541 | miob3568 | miob6919 | seoa2496 | SEOA9316 | SEOB1634 | seob4765 | seob6520 |
| mioa9267 | MIOB1547 | miob3821 | miob7032 | seoa6842 | SEOB0086 | SEOB1677 | seob4979 | seob6534 |
| mioa9350 | miob1744 | miob4143 | miob7035 | seoa8039 | SEOB0112 | SEOB1776 | seob5136 | seob6840 |
| mioa9361 | miob1772 | miob6013 | ncrb1583 | SEOA8671 | seob0215n | SEOB1826 | seob5354 | seob7095 |
| miob0652 | miob1952 | miob6458 | ncrb4256 | SEOA8694 | SEOB0508 | SEOB1941 | seob6278 | seob7492 |
| miob1075 | MIOB2094 | miob6569 | ncrc1221 | SEOA8772 | SEOB0575 | SEOB2092 | seob6284 | seob7974 |
| 64. ribosomal protein L13 AF112214 | | | | 61 | | | | |
| BFCN0142 | FCR4845 | FCR7643 | fcrb2583 | HFCR3206 | hfc6436 | hfc8534 | MIOA6006a | ncr4434 |
| BFCN0181 | FCR5157 | fcrb0063 | fcrb2732 | hfc3533 | hfc7708 | hfc8554 | MIOA6511a | ncr5152 |
| BFCN0216 | FCR7167 | fcrb0155 | hfc0499 | hfc4169 | hfc7852 | hfc9512 | mioa9789 | ncrb3415 |
| FCR2501 | FCR7431 | fcrb0173 | hfc0634 | hfc5435 | hfc8404 | MIOA2019 | miob3548 | ncrb5350 |
| FCR2838 | FCR7500 | fcrb1246 | hfc1145 | hfc5742 | hfc8525 | MIOA4663a | ncr0796 | ncrc1893 |

Figure 6A – Continued

| | | | | | | | | |
|--|----------------------|-----------------------|------------------------|----------------------|----------------------|----------------------|----------------------|----------|
| ncrc2655 ncrc6153 | ncrc6522 ncrc9443 | SEOA1584a SEOA3293 | SEOA3331a SEOA5062a | SEOA9288 SEOB0548 | SEOB0600 seob6616 | seob7110 seob7990 | seob8044 seob8108 | |
| 65. Ribosomal protein L4 NM_000968.1 61 | | | | | | | | |
| BFC0487 | FCR6274 | hfc6558 | miob5649 | ncr6815 | ncrb5268 | ncrc2391 | SEOA0121 | SEOA9030 |
| FCR0500 | FCR7020 | hfc7492 | ncr0056 | ncrb1065 | ncrb5780 | ncrc2795 | seoa0767m | seob3911 |
| FCR0580 | hfc0700 | hfc7981 | ncr0588 | ncrb2550 | ncrb6679 | ncrc3086 | SEOA1847a | seob4054 |
| FCR1218 | hfc2860 | hfc9257 | ncr2141 | ncrb4648 | ncrb7625 | ncrc4536 | SEOA3918 | seob7114 |
| FCR1386 | hfc3483 | mioa9255 | ncr4070 | ncrb5090 | ncrb8104 | ncrc6692 | SEOA5850 | seob7575 |
| FCR1735 | hfc3762 | MIOB2311 | ncr4661 | ncrb5173 | ncrc0899 | ncrc7174 | SEOA7275a | |
| FCR4879 | hfc5690 | miob3796 | ncr5677 | ncrb5195 | ncrc1923 | ncrc9002 | seoa8030 | |
| 66. ribosomal protein S29 L31610.1 59 | | | | | | | | |
| CR0835 | FCR5996 | hfc7397 | miob0047 | ncr1388 | ncrb2676 | SEOA1644a | SEOA4343a | SEOA9923 |
| FCR0342 | fcrb0048 | hfc8285 | miob0695 | ncr4424 | ncrb4605 | SEOA2088 | SEOA4429a | SEOB2268 |
| FCR2984 | fcrb1360 | hfc9634 | miob0906 | ncr5084 | ncrb5634 | SEOA2341a | SEOA4531 | seob5210 |
| FCR3877 | fcrb1372 | hfc9775 | miob4438 | ncrb0545 | ncrc0480 | SEOA2433a | SEOA4855a | |
| FCR5409 | fcrb2621 | MIOA5949a | miob6150 | ncrb1739 | ncrc0835 | SEOA2529 | SEOA5730a | |
| FCR5416 | HFCR3167 | MIOA6463a | ncr0253 | ncrb1977 | ncrc5559 | seoa2782n | SEOA8365a | |
| FCR5744 | hfc3584 | MIOA8586 | ncr0307 | ncrb2133 | ncrc9894 | SEOA3872 | SEOA8555 | |
| 67. ribosomal protein L7a (surf 3) large subunitM36072 58 | | | | | | | | |
| CR0292 | FCR5327 | hfc0540 | HFCR3191 | MIOA6125a | ncr2532 | ncrc0633 | SEOA6482a | seob4128 |
| FCR0850 | FCR5421 | hfc0856 | hfc5895 | mioa9460 | ncr5626 | ncrc1864 | SEOA6578a | seob7666 |
| FCR1817 | FCR5683 | hfc1385 | hfc6068 | miob3731 | ncr7001 | ncrc4027 | SEOA9124 | |
| FCR2164 | FCR6582 | hfc1784 | hfc6907 | miob5118 | ncr7979 | ncrc4662 | SEOA9639 | |
| FCR4011 | fcrb0735 | hfc1789 | MIOA3200a | miob5861 | ncr9865 | ncrc5109 | SEOB1631 | |
| FCR4039 | fcrb2080 | hfc1901 | MIOA3730a | ncr0503 | ncrb4390 | ncrc6681 | SEOB2216 | |
| FCR5047 | hfc0384 | HFCR3152 | MIOA4487a | ncr1651 | ncrb5591 | SEOA3041a | SEOB3483 | |
| 68. transforming growth factor beta-induced, 68kD (TGFB1) "NM_000358.1 58 | | | | | | | | |
| FCR1324* | ncr5219 | SEOA2298a | SEOA3796a | SEOA5218a | SEOA7347a | SEOA9356 | SEOB2275 | seob6500 |
| FCR3283 | ncrc1237 | seoa2576m | SEOA3906 | SEOA5407 | SEOA7424a | SEOA9493 | SEOB3047 | seob7572 |
| hfc3625 | ncrc3047 | SEOA3015a | SEOA4655a | SEOA5591a | SEOA7911a | SEOA9733 | SEOB3115 | |
| MIOB2862 | ncrc5571 | SEOA3296 | SEOA4755a | SEOA6003a | SEOA8708 | SEOB0110 | SEOB3192 | |
| miob5796 | SEOA1251A | SEOA3458a | SEOA4799a | SEOA6006a | SEOA8969 | SEOB0151 | SEOB3307 | |
| miob6897 | SEOA1600a | SEOA3473a | SEOA5069a | SEOA6158a | SEOA9145 | SEOB0465 | seob4133 | |
| ncr2025 | SEOA2236a | SEOA3583a | SEOA5217a | seoa7024 | SEOA9297 | SEOB0970 | seob5157 | |
| 69. ribosomal protein L30 L05095.1 57 | | | | | | | | |
| ncrc3521 | FCR2784N | hfc0257 | hfc7426 | MIOA4217 | ncr9147 | ncrc3196 | SEOA7143a | SOA0473 |
| ncrc3617 | FCR5850 | hfc1279 | hfc8413 | MIOA5663 | ncrb1231 | ncrc3999 | SEOA7479a | |
| BFCN0270 | FCR6117 | hfc2267 | hfc8945 | miob0045 | ncrb2177 | SEOA0957 | SEOB1458 | |
| CR0296 | FCR6872 | HFCR3194 | hfc9160 | miob0952 | ncrb2576 | SEOA3967a | SEOB1471 | |
| CR0587 | fcrb2143 | HFCR3212 | hfc9784 | ncr3598 | ncrb5470 | SEOA4789a | SEOB1496 | |
| FCR0159 | fcrb2493 | hfc3872 | MIOA3332a | ncr6079 | ncrc0553 | SEOA4887a | seob7948 | |
| FCR0963 | fcrb2602 | hfc4494 | MIOA3955a | ncr8767 | ncrc2711 | SEOA5601a | SOA0002 | |
| 70. ribosomal protein S12 X53505 57 | | | | | | | | |
| BFCN0203 | BFC0314 | BFCW0072 | BFCW0372 | FCR0055 | fcr0063n | FCR2716 | FCR3270 | FCR4686 |

Figure 6A – Continued

| | | | | | | | |
|----------|----------|----------|----------|----------|----------|----------|-----------|
| FCR4945 | fcrb0156 | fcrb1497 | hfcf3892 | hfcf7644 | ncr4970 | ncrb4753 | seoa1017m |
| FCR6109 | fcrb0221 | fcrb1700 | hfcf6693 | hfcf9594 | ncr6819 | ncrb5760 | SEOA4041a |
| FCR6428 | fcrb0315 | fcrb2632 | hfcf6805 | MIOA1587 | ncrb0375 | ncrc0025 | SEOA5967a |
| FCR7102 | fcrb1076 | fcrb2737 | hfcf7063 | mioa7858 | ncrb2424 | ncrc1216 | SEOA6746 |
| FCR7625 | fcrb1166 | hfcf0657 | hfcf7408 | miob7036 | ncrb2692 | ncrc2556 | SEOA9067 |
| fcrb0025 | fcrb1482 | hfcf2806 | hfcf7537 | ncr2762 | ncrb4310 | ncrc3749 | SOA0347 |

71. ribosomal protein L23 NM_000978.1 55

| | | | | | | | |
|----------|----------|----------|----------|----------|----------|----------|----------|
| BFCS0007 | fcrb1414 | hfcf7082 | ncr3372 | ncrb3708 | ncrc0190 | ncrc2924 | SEOB1171 |
| CR0028 | fcrb1533 | hfcf7520 | ncr3431 | ncrb4203 | ncrc1121 | ncrc2958 | seob3662 |
| CR0275 | fcrb1554 | hfcf8513 | ncr4005 | ncrb4672 | ncrc1147 | ncrc4856 | seob4438 |
| FCR1138 | fcrb1844 | hfcf9036 | ncr7080 | ncrb5176 | ncrc1352 | ncrc9467 | seob4867 |
| FCR4605 | fcrb2247 | mioa9808 | ncr7095 | ncrb6617 | ncrc1467 | SEOA6873 | seob4872 |
| FCR4700 | hfcf4054 | ncr0742 | ncrb1419 | ncrb7787 | ncrc2168 | SEOA6926 | seob5284 |
| fcrb0326 | hfcf5011 | ncr2450 | ncrb1995 | ncrb8132 | ncrc2516 | SEOA9268 | seob5424 |

72. ribosomal protein S13 NM_001017.1 55

| | | | | | | | |
|----------|----------|----------|----------|----------|----------|----------|----------|
| BFCS0007 | fcrb1414 | hfcf7082 | ncr3372 | ncrb3708 | ncrc0190 | ncrc2924 | SEOB1171 |
| CR0028 | fcrb1533 | hfcf7520 | ncr3431 | ncrb4203 | ncrc1121 | ncrc2958 | seob3662 |
| CR0275 | fcrb1554 | hfcf8513 | ncr4005 | ncrb4672 | ncrc1147 | ncrc4856 | seob4438 |
| FCR1138 | fcrb1844 | hfcf9036 | ncr7080 | ncrb5176 | ncrc1352 | ncrc9467 | seob4867 |
| FCR4605 | fcrb2247 | mioa9808 | ncr7095 | ncrb6617 | ncrc1467 | SEOA6873 | seob4872 |
| FCR4700 | hfcf4054 | ncr0742 | ncrb1419 | ncrb7787 | ncrc2168 | SEOA6926 | seob5284 |
| fcrb0326 | hfcf5011 | ncr2450 | ncrb1995 | ncrb8132 | ncrc2516 | SEOA9268 | seob5424 |

73. "hexabrachion (tenascin C, cytotactin) (HXB) "NM_002160.1 55

| | | | | | | | |
|----------|----------|----------|----------|----------|----------|----------|----------|
| BFCS0007 | fcrb1414 | hfcf7082 | ncr3372 | ncrb3708 | ncrc0190 | ncrc2924 | SEOB1171 |
| CR0028 | fcrb1533 | hfcf7520 | ncr3431 | ncrb4203 | ncrc1121 | ncrc2958 | seob3662 |
| CR0275 | fcrb1554 | hfcf8513 | ncr4005 | ncrb4672 | ncrc1147 | ncrc4856 | seob4438 |
| FCR1138 | fcrb1844 | hfcf9036 | ncr7080 | ncrb5176 | ncrc1352 | ncrc9467 | seob4867 |
| FCR4605 | fcrb2247 | mioa9808 | ncr7095 | ncrb6617 | ncrc1467 | SEOA6873 | seob4872 |
| FCR4700 | hfcf4054 | ncr0742 | ncrb1419 | ncrb7787 | ncrc2168 | SEOA6926 | seob5284 |
| fcrb0326 | hfcf5011 | ncr2450 | ncrb1995 | ncrb8132 | ncrc2516 | SEOA9268 | seob5424 |

74. ribosomal protein S24 M31520 54

| | | | | | | | |
|----------|----------|----------|----------|----------|----------|----------|----------|
| BFCS0007 | fcrb1414 | hfcf7082 | ncr3372 | ncrb3708 | ncrc0190 | ncrc2924 | SEOB1171 |
| CR0028 | fcrb1533 | hfcf7520 | ncr3431 | ncrb4203 | ncrc1121 | ncrc2958 | seob3662 |
| CR0275 | fcrb1554 | hfcf8513 | ncr4005 | ncrb4672 | ncrc1147 | ncrc4856 | seob4438 |
| FCR1138 | fcrb1844 | hfcf9036 | ncr7080 | ncrb5176 | ncrc1352 | ncrc9467 | seob4867 |
| FCR4605 | fcrb2247 | mioa9808 | ncr7095 | ncrb6617 | ncrc1467 | SEOA6873 | seob4872 |
| FCR4700 | hfcf4054 | ncr0742 | ncrb1419 | ncrb7787 | ncrc2168 | SEOA6926 | seob5284 |
| fcrb0326 | hfcf5011 | ncr2450 | ncrb1995 | ncrb8132 | ncrc2516 | SEOA9268 | seob5424 |

75. cartilage link protein (CRTL1) U43328.1 54

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|----------|----------|----------|----------|----------|----------|----------|----------|
| BFCS0007 | fcrb1414 | hfcf7082 | ncr3372 | ncrb3708 | ncrc0190 | ncrc2924 | SEOB1171 |
| CR0028 | fcrb1533 | hfcf7520 | ncr3431 | ncrb4203 | ncrc1121 | ncrc2958 | seob3662 |
| CR0275 | fcrb1554 | hfcf8513 | ncr4005 | ncrb4672 | ncrc1147 | ncrc4856 | seob4438 |
| FCR1138 | fcrb1844 | hfcf9036 | ncr7080 | ncrb5176 | ncrc1352 | ncrc9467 | seob4867 |
| FCR4605 | fcrb2247 | mioa9808 | ncr7095 | ncrb6617 | ncrc1467 | SEOA6873 | seob4872 |
| FCR4700 | hfcf4054 | ncr0742 | ncrb1419 | ncrb7787 | ncrc2168 | SEOA6926 | seob5284 |
| fcrb0326 | hfcf5011 | ncr2450 | ncrb1995 | ncrb8132 | ncrc2516 | SEOA9268 | seob5424 |

Figure 6A – Continued

| | | | | | | | | |
|--|----------|----------|-----------|-----------|----------|-----------|-----------|-----------|
| 76. "actin, beta (ACTB) "NM_001101.2 53 | | | | | | | | |
| BFC0541 | FCR0233 | FCR6433 | hfc05579 | miob6242 | ncr7430 | ncrb4668 | ncrb7747 | ncrc4876 |
| CR0054 | FCR0767 | fcrb0617 | hfc06706 | ncr2461 | ncr8795 | ncrb5255 | ncrb8144 | ncrc9113 |
| CR0359 | FCR2620 | hfc0305 | hfc06900 | ncr3648 | ncrb0064 | ncrb5509 | ncrb8159 | SEOA9991 |
| CR0873 | FCR3097 | hfc02832 | MIOA2341a | ncr5377 | ncrb0567 | ncrb6755 | ncrb8323 | SEOB0709a |
| CR0944 | FCR4029 | HFCR3125 | MIOA2621 | ncr6931 | ncrb2169 | ncrb7282 | ncrc1603 | seob5132 |
| CR1028 | FCR4755 | hfc04325 | MIOA7237a | ncr7407 | ncrb4442 | ncrb7284 | ncrc1719 | |
| 77. Ribosomal protein L36 (=RPL44)AF077043.1 53 | | | | | | | | |
| BFCN0045 | FCR1503 | FCR6206 | hfc08568 | mioa9590 | ncr0097 | ncrb4370 | seoa7851a | seob4623 |
| BFCN0202n | FCR2123 | FCR7286 | hfc08976 | miob0139 | ncr0847 | ncrb6223 | SEOB0585 | seob5429 |
| FCR0099 | FCR2543 | fcrb1449 | MIOA3482a | miob3799 | ncr2270 | ncrb8088 | SEOB1267 | seob7061 |
| FCR0558 | fcr3368n | fcrb1923 | MIOA3912a | miob3894 | ncr3305 | ncrc2298 | SEOB1596 | seob7264 |
| FCR0855 | FCR4617 | fcrb2739 | MIOA5618a | miob4540 | ncr4575 | ncrc2976 | SEOB2954 | seob7466 |
| FCR1203 | FCR4872 | hfc0980 | MIOA6960a | miob6079 | ncr6711 | SEOA4202a | SEOB2967 | |
| 78. ribosomal protein S17 M13932 52 | | | | | | | | |
| BFCN0222 | FCR2769 | fcrb2403 | hfc0977 | hfc06084 | miob0829 | ncr4754 | ncrb7749 | SEOA9500 |
| CR0050 | FCR4781 | fcrb2434 | hfc1290 | hfc06919 | miob4009 | ncr6756 | ncrb8512 | SEOB1433 |
| CR0414 | FCR6358 | hfc0363 | hfc2081 | hfc09441 | miob6646 | ncrb6716 | ncrc2035 | seob3647 |
| CR0590 | FCR6532 | hfc0625 | hfc2713 | hfc09609 | ncr0697 | ncrb7004 | SEOA2797 | seob6105 |
| fcr1019nn | fcrb1579 | hfc0632 | hfc2935 | MIOA3987a | ncr1219 | seoa7870a | ncrb7221 | |
| FCR1771 | fcrb2016 | hfc0813 | HFCR3218 | MIOA6057a | ncr3787 | ncrb7353 | SEOA9471 | |
| 79. cytokine-like protein C17 NM_018659.1 51 | | | | | | | | |
| ncrc3898 | miob2535 | ncr1310 | ncr3855 | ncr7165 | ncrb1094 | ncrb4927 | ncrc1080 | ncrc5090 |
| ncrc4120 | miob2963 | ncr2140 | ncr3859 | ncr8805 | ncrb1488 | ncrb4939 | ncrc1700 | ncrc5444 |
| mioa7725a | miob3172 | ncr2480 | ncr4721 | ncr8879 | ncrb1671 | ncrb6021 | ncrc2323 | ncrc5871 |
| MIOA9129 | miob3774 | ncr2708 | ncr5349 | ncr9169 | ncrb2739 | ncrb7176 | ncrc2881 | |
| mioa9529 | miob5605 | ncr2854 | ncr5976 | ncrb0117 | ncrb3147 | ncrc0120 | ncrc4179 | |
| miob1268 | ncr0269 | ncr3483 | ncr6769 | ncrb0721 | ncrb3851 | ncrc0437 | ncrc4284 | |
| 80. PRO2003 AF116679.1 51 | | | | | | | | |
| ncrc2304 | hfc0863 | hfc07648 | hfc09706 | ncr5471 | ncrb2836 | ncrc0213 | SEOB1777 | seob5987 |
| ncrc2307 | hfc0893 | hfc07953 | hfc09915 | ncr9022 | ncrb3389 | ncrc0910 | SEOB2111 | seob6329 |
| ncrc3994 | hfc02499 | hfc08001 | miob0264 | ncr9343 | ncrb6969 | ncrc3257 | SEOB2276 | seob7459 |
| ncrc4141 | hfc06104 | hfc08210 | miob6220 | ncrb0677 | ncrb7780 | ncrc9515 | seob4314 | |
| ncrc4476 | hfc06542 | hfc08910 | ncr1797 | ncrb2135 | ncrb7836 | SEOB0080 | seob5004 | |
| ncrc4593 | hfc06725 | hfc09559 | ncr2467 | ncrb2834 | ncrb8723 | SEOB1463 | seob5541 | |
| 81. prothymosin alpha M14630 51 | | | | | | | | |
| CR0302 | FCR3466 | hfc01734 | MIOA2416a | miob1793 | ncrb6724 | SEOA2613 | SEOA9772 | seob6179 |
| CR0768 | FCR5068 | HFCR3097 | MIOA3296a | miob5650 | ncrc0481 | SEOA4152a | SEOA9944 | seob6795 |
| FCR0469 | FCR6419 | HFCR3148 | MIOA4615a | miob6633 | ncrc4208 | SEOA6138a | SEOA9978 | SOA0630 |
| FCR0611 | fcrb0952 | hfc04600 | MIOA5169a | ncr1756 | ncrc7100 | SEOA6683a | SEOB0522 | |
| FCR1133 | fcrb1532 | hfc08455 | miob0457 | ncr2091 | ncrc8969 | SEOA7329a | SEOB3176 | |
| FCR3022 | hfc01133 | hfc08906 | miob0688 | ncr8485 | ncrc9527 | SEOA9322 | seob5676 | |

Figure 6A - Continued

| | | | | | | | | |
|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------|
| 82. tumor rejection antigen (gp96) 1 (TRA1) X15187 | | 51 | | | | | | |
| FCR2424 | hfc2017 | MIOA5601a | MIOB2798 | miob5436 | ncr8443 | SEOA0899 | SEOA9754 | seob7485 |
| FCR4949 | hfc3736 | MIOA6103a | miob3367 | miob6085 | ncr8848 | seoa1357m | SEOA9919 | seob7970 |
| FCR5092 | hfc4140 | MIOA6704a | miob3975 | miob6175 | ncrb5222 | SEOA2148n | SEOB1422 | SOA0327 |
| FCR7473 | hfc5481 | MIOA7467a | miob4069 | miob6184 | ncrc2842 | SEOA3353a | seob6151 | |
| FCR7642 | MIOA2495a | MIOA8468 | miob4412 | miob6763 | ncrc3133 | SEOA6403 | seob6549 | |
| fcrb1656 | MIOA2777a | miob0951 | miob4883 | ncr7371 | ncrc5240 | SEOA8275 | seob7328 | |
| 83. "actin, gamma 1 (ACTG1) "NM_001614.1 | | 51 | | | | | | |
| BFC0504 | FCR0595 | fcrb0427 | hfc3576 | hfc6740 | hfc9960 | ncrb1137 | ncrc9679 | seob6869 |
| BFCW0404 | FCR2311 | fcrb1075 | hfc4467 | hfc6797 | MIOA8852 | ncrb2109 | ncrc9850 | seob7563 |
| BFCW0558 | FCR2503 | fcrb1487 | hfc4476 | hfc7025 | miob0933 | ncrb7748 | SEOA0412 | SOA0673 |
| FCR0273 | FCR3102 | fcrb1937 | hfc5166 | hfc8387 | miob3532 | ncrc0240 | SEOA5639a | |
| FCR0438 | FCR3478 | hfc1183 | hfc6471 | hfc8409 | ncr6706 | ncrc0623 | SEOA6908 | |
| FCR0525 | FCR3637 | hfc3491 | hfc6619 | hfc9933 | ncr9365 | ncrc4043 | seob5705 | |
| 84. ferritin heavy chain L20941.1 | | 50 | | | | | | |
| FCR6907 | MIOA5974a | ncr6856 | SEOA0589a | SEOA2861 | SEOA4496 | seoa6960 | SEOA9191 | seob8263 |
| fcrb0752 | miob1004 | ncr9053 | SEOA1715a | SEOA3043a | SEOA4539 | seoa6965 | SEOB3562 | seob8333 |
| hfc1741 | miob2883 | ncrb1223 | SEOA1919n | seoa3177m | SEOA5126a | SEOA7227a | seob3681 | |
| hfc9236 | miob2961 | ncrb3177 | SEOA2019 | SEOA3573a | SEOA5165a | seoa8115 | seob5030 | |
| MIOA5834a | miob3041 | ncrb6581 | SEOA2238a | SEOA4032a | SEOA6228 | SEOA8690 | seob5347 | |
| MIOA5930a | ncr5675 | SEOA0581 | SEOA2241a | SEOA4495 | SEOA6257 | SEOA8691 | seob7869 | |
| 85. PRO2853 AF119905.1 | | 50 | | | | | | |
| ncrc6233 | miob0751 | ncrb0660 | ncrb1530 | ncrb4708 | ncrc0297 | ncrc3873 | ncrc9561 | seob6864 |
| ncrc7150 | miob1376 | ncrb0759 | ncrb2189 | ncrb4836 | ncrc0399 | ncrc4670 | ncrc9703 | seob7315 |
| mioa7731a | miob2945 | ncrb1235 | ncrb2601 | ncrb6809 | ncrc0561 | ncrc5067 | ncrc9804 | |
| mioa9306 | miob3459 | ncrb1300 | ncrb3152 | ncrb7647 | ncrc1632 | ncrc5910 | SEOB1109 | |
| mioa9758 | miob4938 | ncrb1394 | ncrb3165 | ncrb7987 | ncrc2580 | ncrc6356 | SEOB2762 | |
| miob0742 | miob6344 | ncrb1487 | ncrb3522 | ncrc0263 | ncrc3304 | ncrc9005 | SEOB3079 | |
| 86. ribosomal protein L5 U76609 | | 48 | | | | | | |
| BFCW0010 | FCR4848 | fcrb1390 | hfc4122 | MIOA8734 | miob4246 | ncrb2963 | SEOB1903 | |
| CR0394 | FCR5515 | hfc0494 | hfc5240 | miob1093 | miob6302 | ncrb7950 | seob3692 | |
| CR0874 | FCR5987 | hfc1208 | hfc8222 | MIOB2121 | miob6386 | ncrc1138 | seob3972 | |
| FCR0332 | FCR7697 | hfc1272 | hfc8452 | MIOB2789 | ncr1492 | ncrc3238 | seob4595 | |
| FCR2853N | fcrb1035 | hfc1682 | hfc9774 | miob4056 | ncr5412 | ncrc9912 | seob4864 | |
| FCR4096 | fcrb1138 | hfc2509 | MIOA6875a | miob4211 | ncrb1521 | SEOA1118a | seob7667 | |
| 87. nribosomal protein L26 X69392 | | 48 | | | | | | |
| bfcw0519 | FCR5982 | hfc1112 | MIOA1704a | miob2515 | ncrb2182 | seoa4905a | SEOB0278 | |
| CR0351 | FCR6554 | hfc1225 | MIOA1780 | miob3428 | ncrb6350 | SEOA6501a | SEOB0646a | |
| CR0532 | FCR6916 | hfc2743 | MIOA2056 | miob3454 | ncrb6976 | SEOA6533a | SEOB1528 | |
| FCR0868 | fcrb1730 | hfc3589 | MIOA2332a | miob4406 | ncrc5956 | SEOA7171a | SEOB2643 | |
| FCR4049 | hfc0962 | hfc9444 | MIOA3991a | miob5941 | ncrc9294 | seoa7859a | SEOB3118 | |
| FCR4578 | hfc1093 | hfc9704 | MIOA5747a | ncrb1141 | SEOA4119a | SEOA9571 | seob4349 | |

Figure 6A – Continued

88. "ribosomal protein, large, P1 (RPLP1) "NM_001003.1 48

| | | | | | | | |
|----------|----------|---------|----------|----------|---------|----------|-----------|
| BFCW0055 | FCR0729 | FCR3492 | FCR5330 | fcrb1647 | hfc3588 | hfc7866 | miob1255 |
| BFCW0412 | FCR1117N | FCR3812 | FCR6800 | fcrb2174 | hfc3651 | hfc9473 | ncr0336 |
| CR0283 | FCR1286 | FCR4095 | FCR7069 | hfc0922 | hfc4027 | hfc9661 | SEOA4147a |
| CR0859 | FCR1831 | FCR4232 | fcrb0204 | hfc1074 | hfc5767 | hfc9696 | SEOB3513 |
| CR0861 | FCR2186 | FCR4264 | fcrb1313 | hfc1875 | hfc6675 | MIOA1273 | seob6226 |
| FCR0667 | FCR2694 | FCR4340 | fcrb1505 | hfc3542 | hfc7578 | MIOA1790 | seob7978 |

89. ribosomal protein L11 L05092.1 48

| | | | | | | | |
|----------|---------|----------|---------|-----------|----------|----------|-----------|
| BFCW0433 | FCR2602 | fcrb1541 | hfc3869 | MIOA6598a | ncr7355 | ncrb7480 | SEOA5534a |
| CR0545 | FCR3500 | hfc0573 | hfc5796 | ncr2533 | ncrb0789 | ncrc1008 | SEOA6566a |
| CR0830 | FCR4655 | hfc1894 | hfc6105 | ncr3037 | ncrb2295 | ncrc2731 | SEOA8322a |
| FCR0167 | FCR4842 | hfc1896 | hfc6522 | ncr3083 | ncrb3967 | ncrc4222 | SEOB0912a |
| FCR0471 | FCR7248 | hfc2588 | hfc8362 | ncr3874 | ncrb6272 | ncrc4419 | seob2548 |
| FCR1540 | FCR7477 | hfc2628 | hfc9731 | ncr4339 | ncrb7479 | SEOA1885 | seob8315 |

90. "guanine nucleotide binding protein (G protein), beta polypeptide 2-like 1 (GNB2L1) "NM_006098.1 48

| | | | | | | | |
|---------|----------|---------|-----------|----------|----------|----------|-----------|
| FCR0068 | FCR2537 | hfc0338 | hfc8458 | miob1071 | ncr8620 | ncrb5828 | ncrc1735 |
| FCR0603 | FCR2633 | hfc0399 | hfc8507 | ncr2251 | ncrb2728 | ncrb6304 | ncrc2045 |
| FCR0765 | FCR4805 | hfc3802 | hfc9053 | ncr3962 | ncrb3965 | ncrb6391 | ncrc4250 |
| FCR1289 | fcrb1688 | hfc5246 | MIOA1401a | ncr5713 | ncrb4362 | ncrc1152 | SEOA3128a |
| FCR1466 | fcrb1925 | hfc6291 | MIOA9171 | ncr5758 | ncrb4487 | ncrc1200 | seoa7861a |
| FCR2096 | fcrb2086 | hfc7018 | miob0932 | ncr6203 | ncrb4934 | ncrc1204 | seob3908 |

91. vitamin A responsive cytoskeleton related (JWA) NM_006407.2 47

| | | | | | | | |
|-----------|-----------|----------|----------|----------|-----------|-----------|----------|
| MIOA0651 | MIOA6790a | MIOB2216 | ncr0376 | ncrc0387 | SEOA1289a | SEOA8380a | seob6827 |
| MIOA1315a | MIOA7042a | miob2420 | ncr2407 | ncrc4304 | SEOA1784a | SEOA9197 | seob7310 |
| MIOA2681a | MIOA7194a | miob3029 | ncr2413 | ncrc5456 | SEOA2439a | SEOA9517 | seob7541 |
| MIOA3400a | MIOA7246a | miob3457 | ncr2442 | ncrc6712 | SEOA3816a | SEOA9791 | seob8040 |
| MIOA5825a | MIOA8806 | miob5724 | ncrb2543 | ncrc6908 | SEOA4734a | SEOB1085 | soa0240n |
| MIOA6569a | miob0794 | miob6274 | ncrb2617 | SEOA0336 | seoa7058 | SEOB1337 | |

92. HSPC312 (ORF) = AF161428.1 (=HSPC310)AF161430 47

| | | | | | | | |
|-----------|----------|---------|----------|----------|----------|-----------|----------|
| MIOA1274m | miob3060 | ncr2595 | ncr7344 | ncrb4119 | ncrc2448 | ncrc6670 | SEOB3066 |
| miob0100 | miob3656 | ncr3182 | ncr7350 | ncrb4347 | ncrc2953 | ncrc7049 | SEOB3514 |
| miob1291 | miob5122 | ncr3989 | ncr9923 | ncrb6046 | ncrc3813 | ncrc9877 | seob3699 |
| miob1869 | miob5762 | ncr5115 | ncrb2076 | ncrb7830 | ncrc3928 | SEOA4771a | seob7027 |
| miob2402 | ncr1390 | ncr5176 | ncrb2748 | ncrb7914 | ncrc4317 | SEOA9480 | seob7744 |
| miob2436 | ncr2560 | ncr5477 | ncrb3902 | ncrb8016 | ncrc4428 | SEOA9572 | |

93. H factor 1 (complement) (HF1) NM_000186.1 47

| | | | | | | | |
|-----------|-----------|----------|---------|----------|----------|-----------|----------|
| FCR4832 | MIOA6523a | miob1113 | ncr1313 | ncr7734 | ncrc0663 | ncrc9585 | SEOB1216 |
| MIOA0119 | MIOA7036a | MIOB2080 | ncr5158 | ncr8426 | ncrc1852 | SEOA4625a | seob4628 |
| MIOA1338a | miob0465 | miob6360 | ncr5182 | ncrb4282 | ncrc3002 | SEOA5210 | seob6372 |
| MIOA2593a | miob0692 | miob6948 | ncr5401 | ncrb6766 | ncrc6363 | SEOA7182a | seob6426 |
| MIOA4422 | miob0709 | miob6978 | ncr6099 | ncrb7494 | ncrc6476 | SEOB0200 | seob7338 |
| MIOA6504a | miob1111 | miob7041 | ncr6912 | ncrb8592 | ncrc6936 | SEOB0972 | |

Figure 6A – Continued

94. mimecan (OGN) (OIF) AF202167.1

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| | | | | | | | | |
|-----------|-----------|----------|----------|-----------|-----------|----------|----------|----------|
| FCR5442 | MIOA2568a | miob3974 | miob5983 | ncrb5896 | seoa6793 | SEOA8250 | SEOB3214 | seob6287 |
| MIOA0852a | MIOA5495a | miob3980 | miob6107 | SEOA2992a | seoa6802 | SEOA9718 | SEOB3245 | seob6713 |
| MIOA1588 | MIOA7387a | miob4952 | miob6295 | SEOA3954a | SEOA7427a | SEOA9909 | seob3718 | seob8240 |
| MIOA1841a | mioa9465 | miob5001 | miob6776 | SEOA4828a | SEOA7597a | SEOB1081 | seob4882 | SOA0121 |
| MIOA2415a | mioa9991n | miob5063 | miob6848 | SEOA5869 | seoa7704a | SEOB1505 | seob6218 | SOA0256 |

95. "S100 calcium-binding protein A4 (calcium protein, calvasculin, metastasin, murine placental homolog) (S100A4) " gi4506764 44

| | | | | | | | | |
|-----------|-----------|----------|----------|----------|----------|-----------|----------|----------|
| hfc9607 | mioa7809a | miob3176 | ncr4603 | ncrb3097 | ncrc4492 | seoa4916a | SEOA8418 | seob5333 |
| MIOA5003a | MIOA8229 | miob6915 | ncr5163 | ncrc0506 | ncrc4844 | SEOA6170a | SEOA9037 | seob5358 |
| MIOA6456a | MIOA8842 | ncr0184 | ncr8139 | ncrc0512 | ncrc6478 | SEOA6894 | SEOA9758 | seob6018 |
| MIOA6540a | miob0016 | ncr0347 | ncr8280 | ncrc2974 | ncrc9115 | seoa7740a | SEOB1119 | seob6747 |
| MIOA6878a | miob0661 | ncr2603 | ncrb2310 | ncrc4228 | ncrc9469 | SEOA8193a | seob4697 | |

96. annexin I (lipocortin I) (ANX1) =X05908 (ORF) NM_000700.1

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|-----------|----------|----------|----------|-----------|----------|-----------|----------|----------|
| MIOA4681 | miob1144 | miob6267 | ncrb8153 | SEOA4421a | SEOA8765 | SEOB0182 | SEOB3077 | seob4737 |
| MIOA4682 | miob1443 | ncr2764 | ncrc1587 | SEOA4510 | SEOA8920 | SEOB0694a | SEOB3508 | seob5733 |
| MIOA5996a | miob3338 | ncr3620 | ncrc3589 | SEOA4561 | SEOA9429 | SEOB1150 | SEOB3576 | seob6644 |
| MIOA8978 | miob3822 | ncr6739 | ncrc4011 | SEOA4636a | SEOA9838 | SEOB2284 | seob3756 | SOA0340 |
| miob0431 | miob5843 | ncr7042 | ncrc5982 | seoa7739a | SEOA9927 | SEOB2734 | seob3943 | |

97. glyceraldehyde 3-phosphate dehydrogenase (GADPH) J02642

44

| | | | | | | | | |
|----------|----------|---------|---------|----------|----------|---------|---------|----------|
| BFCN0082 | FCR0905 | FCR1777 | FCR3113 | FCR6586 | fcrb2285 | hfc2318 | hfc6340 | hfc9317 |
| BFCW0520 | FCR1515N | FCR1891 | FCR3705 | FCR7546 | fcrb2494 | hfc2864 | hfc6855 | miob4702 |
| CR0685 | FCR1516 | FCR2240 | FCR4159 | fcrb0710 | hfc0405 | hfc3524 | hfc7453 | ncrb2952 |
| FCR0310 | FCR1729 | FCR2283 | FCR4860 | fcrb1584 | hfc1711 | hfc3936 | hfc7845 | ncrc4936 |
| FCR0755 | FCR1772 | FCR2688 | FCR5194 | fcrb1900 | hfc1859 | hfc6120 | hfc8879 | |

98. ribosomal protein L27A AB020236.1

44

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|----------|---------|---------|----------|---------|----------|-----------|----------|----------|
| BFCW0194 | FCR3185 | FCR6429 | fcrb1391 | hfc2221 | HFCR3190 | hfc6994 | ncr6910 | ncrb5446 |
| BFCW0258 | FCR3868 | FCR6751 | fcrb2254 | hfc2271 | hfc3405 | hfc7069 | ncr7368 | ncrc4888 |
| CR0469 | FCR4626 | FCR6894 | hfc0569 | hfc2793 | hfc3991 | hfc7436 | ncr8555 | SEOB0042 |
| FCR1818 | FCR4783 | FCR6960 | hfc2071 | hfc2837 | hfc3994 | hfc8887 | ncr8813 | seob7953 |
| FCR3092 | FCR6389 | FCR7206 | hfc2074 | hfc3015 | hfc4527 | MIOA6389a | ncrb5445 | |

99. HSPC310 (=HSPC312) AF161428.1

44

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|------------|----------|---------|----------|----------|----------|----------|-----------|----------|
| MIOA1274 m | miob3060 | ncr2595 | ncr5477 | ncrb2748 | ncrb7830 | ncrc3813 | ncrc7049 | SEOB3066 |
| miob0100 | miob3656 | ncr3182 | ncr7344 | ncrb3902 | ncrb7914 | ncrc3928 | ncrc9877 | SEOB3514 |
| miob1291 | miob5762 | ncr3989 | ncr7350 | ncrb4119 | ncrb8016 | ncrc4317 | SEOA4771a | seob3699 |
| miob2402 | ncr1390 | ncr5115 | ncr9923 | ncrb4347 | ncrc2448 | ncrc4428 | SEOA9480 | seob7027 |
| miob2436 | ncr2560 | ncr5176 | ncrb2076 | ncrb6046 | ncrc2953 | ncrc6670 | SEOA9572 | |

100. "calmodulin 2 (phosphorylase kinase, delta) (CALM2) "NM_001743.1

43

| | | | | | | | | |
|-----------|-----------|----------|----------|----------|----------|----------|-----------|----------|
| MIOA4349a | MIOA6831a | miob1860 | miob3925 | miob5683 | ncr3101 | ncrc5420 | SEOA4137a | seob3862 |
| MIOA4903a | MIOA6891a | miob1860 | miob3945 | miob5852 | ncr7322 | ncrc5420 | SEOA4741a | seob4267 |
| MIOA5237a | mioa9624 | miob3025 | miob4048 | miob5868 | ncr9323 | SEOA0129 | SEOA5470a | seob5979 |
| MIOA5257a | miob0055 | miob3025 | miob4203 | miob5962 | ncrb3028 | SEOA2708 | SEOB0082 | |
| MIOA5684 | miob1747 | miob3272 | miob4335 | miob6050 | ncrb3028 | SEOA3862 | SEOB0082 | |

Figure 6A – Continued

| | | | | | | | | |
|--|-----------|-----------|-----------|----------|-----------|-----------|-----------|-----------|
| 101. ribosomal protein L39 D79205 43 | | | | | | | | |
| FCR0169 | fcrb1442 | hfc0588 | MIOA0909a | ncrb0203 | ncrc2237 | SEOA1576a | SEOB2249 | seob4528 |
| FCR4623 | fcrb2397 | hfc4463 | MIOA1466 | ncrb0676 | ncrc3575 | SEOA2383a | SEOB2265 | seob5190 |
| FCR7745 | fcrb2433 | hfc5670 | MIOA3141a | ncrb2887 | ncrc4675 | seoa7729a | SEOB3211 | seob6270 |
| fcrb0093 | fcrb2727 | hfc6113 | MIOA6469a | ncrb4817 | ncrc5035 | SEOA9773 | SEOB3491 | |
| fcrb0418 | hfc0527 | hfc6803 | ncr0178 | ncrc1387 | ncrc5546 | SEOB1785 | seob3937 | |
| 102. ascent-polypeptide-associated complex alpha polypeptide (NACA) NM_005594.1 43 | | | | | | | | |
| BFCW0500n | hfc7955 | MIOA6720a | miob1801 | ncrb4406 | SEOA1089a | SEOA4848a | SEOA9335 | SEOB3122 |
| FCR4155 | MIOA2196a | MIOA8169 | miob2463 | ncrc2607 | SEOA1200A | SEOA7105a | SEOA9832 | SEOB3278 |
| FCR6870 | MIOA2899a | mioa9297 | miob4817 | ncrc2971 | SEOA1451a | SEOA8438 | SEOB1282 | seob7977 |
| fcrb2218 | MIOA3466a | miob1000 | miob7039 | ncrc4852 | SEOA4554 | SEOA8524 | SEOB2746 | |
| hfc1318 | MIOA5983a | miob1267 | ncrb2888 | ncrc9274 | SEOA4719a | SEOA9110 | SEOB2793 | |
| 103. ribosomal protein L44 (RPL44)NM_001001.1 42 | | | | | | | | |
| BFCN0045 | FCR4872 | hfc0872 | MIOA3912a | miob3799 | ncrb6223 | seoa7851a | SEOB2954 | seob7264 |
| BFCN0202n | FCR7465 | hfc0980 | MIOA5618a | miob3894 | ncrb8088 | SEOA9692 | SEOB2967 | seob7466 |
| FCR0099 | fcrb1449 | hfc1192 | MIOA6960a | miob4540 | ncrc2298 | SEOB0585 | seob4623 | |
| FCR1203 | fcrb1923 | hfc8976 | mioa9590 | miob6079 | ncrc2976 | SEOB1267 | seob5429 | |
| FCR2543 | fcrb2739 | MIOA3482a | miob0139 | ncr3305 | SEOA4202a | SEOB1596 | seob7061 | |
| 104. ubiquitin A-52 residue ribosomal protein fusion product 1 (UBA52) gi4507760 42 | | | | | | | | |
| FCR1156 | hfc8751 | ncr0856 | ncr5947 | ncr8504 | ncrb2211 | ncrb8366 | ncrc5588 | SEOA2256a |
| fcrb2195 | hfc9421 | ncr2763 | ncr6957 | ncrb0543 | ncrb2283 | ncrc1308 | ncrc6359 | SEOA7124a |
| hfc2641 | MIOA6428a | ncr5097 | ncr7877 | ncrb1157 | ncrb3887 | ncrc3328 | ncrc7039 | |
| hfc5099 | ncr0272 | ncr5519 | ncr7888 | ncrb1596 | ncrb5153 | ncrc4065 | ncrc9400 | |
| hfc5626 | ncr0411 | ncr5863 | ncr8089 | ncrb2146 | ncrb5242 | ncrc4634 | ncrc9980 | |
| 105. BFCN0171cartilage matrix protein (CMP) geneM55682.1 42 | | | | | | | | |
| BFCN0501 | FCR0537 | FCR2673 | FCR4415 | FCR6900 | fcrb2212 | hfc3954 | hfc6327 | hfc9028 |
| BFCW0329 | FCR0976 | FCR3169 | FCR5724 | fcrb0121 | hfc2626 | hfc4662 | hfc6557 | |
| CR0256 | FCR1017 | FCR3839 | FCR5973 | fcrb1122 | hfc2950 | hfc5095 | hfc6671 | |
| FCR0322 | FCR1119 | FCR4097 | FCR6498 | fcrb1133 | hfc3631 | hfc6033 | hfc6842 | |
| FCR0353 | FCR2178 | FCR4404 | FCR6739 | fcrb2015 | hfc3652 | hfc6275 | hfc8946 | |
| 106. TSC-22 protein U35048 42 | | | | | | | | |
| fcrb0349 | hfc6448 | MIOA5175a | miob1797 | ncr1247 | ncrb3821 | ncrc5347 | SEOA5264a | seob4041 |
| hfc1866 | hfc6635 | MIOA6889a | MIOB2751 | ncr1471 | ncrb8237 | ncrc5607 | SEOA7394a | seob8258 |
| hfc2723 | hfc9358 | MIOA7092a | MIOB2875 | ncr4524 | ncrb8665 | ncrc6092 | SEOA9623 | |
| hfc3050 | MIOA0245a | mioa9403 | miob6391 | ncr4640 | ncrc1704 | ncrc7008 | SEOB0596 | |
| hfc5167 | MIOA2648 | miob0277 | miob6739 | ncr4787 | ncrc2593 | SEOA4366a | seob3680 | |
| 107. "mitochondrial genes for several tRNAs (Phe, Val, Leu) and 12S and 16S ribosomal RNAs "V00710.1 42 | | | | | | | | |
| miob1690 | ncrb1220 | ncrb1436 | ncrb3324 | ncrb6400 | ncrb7449 | ncrb8234 | ncrc0920 | ncrc9849 |
| ncrb0803 | ncrb1243 | ncrb1485 | ncrb3434 | ncrb6504 | ncrb7660 | ncrc0260 | ncrc0926 | ncrc9972 |
| ncrb0943 | ncrb1318 | ncrb1486 | ncrb3504 | ncrb6590 | ncrb7753 | ncrc0267 | ncrc0934 | |
| ncrb1115 | ncrb1363 | ncrb2658 | ncrb3841 | ncrb6650 | ncrb7855 | ncrc0556 | ncrc9671 | |
| ncrb1152 | ncrb1380 | ncrb3304 | ncrb6360 | ncrb6858 | ncrb8215 | ncrc0580 | ncrc9673 | |

Figure 6A -- Continued

| | | | | | | | | |
|--|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 108. ribosomal protein S19 M81757.1 | | | | | | | | 41 |
| BFCS0037n | FCR1529 | FCR4873 | fcrb1664 | hfc0159 | HFCR3168 | hfc6007 | hfc9267 | SEOB2959 |
| FCR0683 | FCR2893 | FCR7307 | fcrb1846 | hfc1059 | hfc3386 | hfc6749 | hfc9667 | |
| FCR0731 | FCR3139 | FCR7310 | fcrb2309 | hfc2049 | hfc4126 | hfc6976 | ncrc1894 | |
| FCR0853 | FCR4078 | FCR7742 | fcrb2601 | HFCR2366 | hfc5801 | hfc7446 | ncrc9747 | |
| FCR0900 | FCR4355 | fcrb1192 | hfc0063 | hfc2595 | hfc5861 | hfc8379 | SEOA9992 | |
| 109. "ribosomal protein S28, yeast homologue "D14530 | | | | | | | | 41 |
| BFCN0255 | CR0699 | FCR4365 | FCR7034 | fcrb0104 | hfc0196 | hfc3603 | hfc8519 | SEOA6195a |
| BFCS0462 | FCR1257 | FCR6122 | FCR7168 | fcrb1722 | hfc0238 | hfc5849 | hfc8536 | |
| BFCW0587 | FCR2308 | FCR6147 | FCR7414 | fcrb1827 | hfc0766 | hfc5868 | hfc8984 | |
| CR0526 | FCR2685 | FCR6760 | FCR7609 | fcrb2085 | hfc1232 | hfc6354 | ncrc9724 | |
| CR0599 | FCR3920 | FCR7000 | FCR7721 | fcrb2165 | hfc1436 | hfc6975 | SEOA2162 | |
| 110. deleted in split hand/split foot 1 (DSS1) U41515 | | | | | | | | 41 |
| MIOA0646 | MIOB2153 | miob5866 | ncrb7169 | SEOA0602a | SEOA2356a | SEOA6568a | SEOA9852 | seob5511 |
| MIOA6044 | miob2373 | ncr1473 | ncrc2124 | SEOA1015n | SEOA3194 | SEOA6601a | SEOA9995 | |
| miob0520 | miob3941 | ncr7455 | ncrc2132 | SEOA1034a | SEOA4501 | SEOA7090a | SEOB1346 | |
| miob0868 | miob5496 | ncr7995 | ncrc6920 | SEOA1176A | SEOA4651a | SEOA9128 | SEOB3296 | |
| miob1915 | miob5776 | ncrb4629 | SEOA0574a | SEOA1370 | SEOA6062a | SEOA9428 | seob4414 | |
| 111. ribosomal protein L35a NM_000996.1 | | | | | | | | 41 |
| BFCW0311 | FCR6322 | hfc6342 | mioa9208 | ncr5184 | ncrc5016 | SEOA3133a | SEOA7581a | soa0291n |
| FCR0017 | FCR7198 | hfc6730 | miob5439 | ncrb0446 | ncrc8837 | SEOA4643a | SEOB0524 | |
| FCR0092 | fcrb1913 | hfc7554 | ncr1724 | ncrb5455 | SEOA1098a | SEOA5113a | SEOB3225 | |
| FCR0498 | hfc1655 | hfc9270 | ncr3339 | ncrc2970 | SEOA1284a | SEOA5317a | seob4663 | |
| FCR0560 | hfc4470 | MIOA6888a | ncr4709 | ncrc3982 | SEOA1637a | SEOA5324a | seob6052 | |
| 112. cytochrome c oxidase subunit VIIb Z14244 | | | | | | | | 41 |
| FCR1855 | mioa1218m | MIOA7188a | miob6127 | ncrc7107 | SEOA3961a | SEOA6213a | seob4415 | |
| FCR4849 | MIOA1456 | MIOA7392a | ncrb3935 | seoa0348m | SEOA4790a | SEOA6673a | seob4454 | |
| hfc7418 | MIOA1733 | miob3141 | ncrc1745 | SEOA2018 | SEOA5078a | SEOA7198a | seob5911 | |
| hfc8919 | MIOA2188a | miob3921 | ncrc1772 | SEOA3919 | SEOA5087a | SEOA9977 | seob5995 | |
| MIOA0388a | MIOA7113a | miob3993 | ncrc2368 | SEOA3920 | SEOA5316a | SEOB3535 | seob7186 | |
| 113. hH3.3B gene for histone H3.3 Z48950.1 | | | | | | | | 41 |
| FCR1836 | FCR7196 | MIOA4335a | miob6622 | ncrb2649 | ncrc3395 | SEOA5628a | SEOB2031 | SOA0251 |
| FCR4015 | FCR7406 | MIOA4611a | ncr0547 | ncrb3172 | ncrc3900 | SEOA6258 | SEOB3175 | |
| FCR4207 | fcrb2487 | MIOA6839a | ncr3664 | ncrb5585 | ncrc6405 | SEOA9789 | seob5866 | |
| FCR4730 | hfc7068 | miob2490 | ncr6903 | ncrc0334 | SEOA3422a | SEOB1402 | seob6700 | |
| FCR6611 | hfc9690 | miob3989 | ncrb1585 | ncrc1980 | SEOA4502 | SEOB1649 | seob7119 | |
| 114. RIBOSOMAL PROTEIN L10A (CSA-19)(RPL10A) P53025 | | | | | | | | 40 |
| BFCN0010 | FCR3550 | fcrb2334 | hfc6561 | MIOA6783a | ncr0643 | ncrb0736 | SEOA0417 | |
| BFCS0533 | FCR4164 | hfc0403 | hfc6828 | MIOA6843a | ncr4765 | ncrb2016 | SEOA1026 | |
| FCR0227 | FCR6548 | hfc0465 | hfc9527 | mioa9213 | ncr7194 | ncrb5004 | SEOB3368 | |
| FCR1652 | fcrb0277 | hfc1906 | MIOA4509a | miob0654 | ncr8770 | ncrc0228 | seob5067 | |
| FCR3193 | fcrb1226 | hfc3609 | MIOA6652a | miob6742 | ncrb0452 | ncrc0330 | seob5851 | |

Figure 6A – Continued

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|--|-----------|-----------|----------|-----------|-----------|-----------|------------|
| 115. ribosomal protein S15a X84407 40 | | | | | | | |
| BFCN0273 | FCR2491 | FCR7245 | hfc0780 | hfc6517 | ncr0869 | ncrc4372 | SEOA5357 |
| BFCW0180 | FCR4108 | FCR7331 | HFCR3094 | hfc7722 | ncr2234 | ncrc4500 | SEOA7925a |
| BFCW0588 | FCR5245 | fcrb1191 | HFCR3254 | hfc8559 | ncrb2077 | ncrc9263 | SEOA8722 |
| CR0831 | FCR6523 | hfc0491 | hfc3781 | MIOA3693a | ncrb8678 | ncrc9560 | SEOB0511 |
| FCR1349 | FCR7147 | hfc0636 | hfc6001 | MIOA3735a | ncrb8682 | SEOA3966a | SEOB3383 |
| 116. ribosomal protein L15 NM_002948.1 40 | | | | | | | |
| FCR5807 | hfc1156 | hfc2062 | hfc3982 | hfc7348 | hfc9853 | ncr7679 | ncrc9223 |
| fcrb1790 | hfc1333 | hfc2310 | hfc4279 | hfc7542 | MIOA4695 | ncr8150 | seoa6978 |
| fcrb1841 | hfc1661 | HFCR3145 | hfc4337 | hfc8015 | MIOA4890a | ncrc4539 | seoa6988 |
| fcrb2018 | hfc1669 | hfc3861 | hfc5193 | hfc8838 | mioa9279 | ncrc4900 | SEOB3275 |
| fcrb2757 | hfc1803 | hfc3890 | hfc5799 | hfc8917 | miob3809 | ncrc8940 | seob6398 |
| 117. eukaryotic translation initiation factor 3 (EIF3S6) (=INT6) NM_001568.1 40 | | | | | | | |
| fcrb1837 | miob1448 | hfc0493 | hfc3540 | MIOA6315a | ncr0582 | ncrc2097 | SEOA7334a |
| ncrc5088 | ncr0582 | hfc0556 | hfc5388 | miob0784 | ncrb0473 | ncrc5088 | SEOA9855 |
| hfc2945 | ncrb8727 | hfc2945 | hfc6866 | miob1448 | ncrb1337 | SEOA5577a | SEOB1357 |
| hfc3485 | seob7245 | hfc3485 | hfc8591 | miob4352 | ncrb1514 | SEOA7086a | SEOB1986 |
| MIOA6315a | miob4352 | hfc3509 | hfc8963 | miob4606 | ncrb8727 | SEOA7122a | seob7245 |
| 118. ribosomal protein L23a U43701 38 | | | | | | | |
| ncrc5074 | fcrb2002 | MIOA5247a | miob5089 | ncrb0478 | ncrb7076 | ncrc6307 | SEOA5099a |
| ncrc5142 | fcrb2753 | MIOA5894a | miob5980 | ncrb1113 | ncrb7240 | ncrc6619 | seoa5395n |
| FCR1913 | hfc0629 | MIOA6364a | ncr1090 | ncrb4549 | ncrb7665 | ncrc9088 | seoa5757an |
| FCR2143 | hfc7840 | miob0153 | ncr2051 | ncrb4644 | ncrb8062 | ncrc9167 | SEOA8330a |
| fc3146 | hfc9840 | miob0845 | ncr4037 | ncrb4645 | ncrb8699 | SEOA0429 | SEOB0092 |
| FCR3555 | MIOA2444a | miob1461 | ncr4373 | ncrb4700 | ncrc0158 | SEOA0817 | SEOB1653 |
| FCR3728 | MIOA3515a | miob3611 | ncr9521 | ncrb4857 | ncrc3699 | SEOA0893 | SEOB2113 |
| FCR4062 | MIOA4631a | miob4258 | ncr9875 | ncrb6314 | ncrc4068 | SEOA3080a | seob6770 |
| 119. KIAA0005D13630 38 | | | | | | | |
| MIOA1858m | MIOA8211 | miob2946 | miob4910 | ncr3544 | SEOA2957a | SEOB0840a | seob6320 |
| MIOA4111 | MIOA8634 | miob2967 | miob4966 | ncr3550 | SEOA3653a | SEOB2729 | seob6323 |
| MIOA5459a | MIOA9029 | miob3606 | miob6341 | ncr5208 | SEOA4294a | SEOB3063 | seob6429 |
| MIOA5543a | miob0590 | miob3838 | miob6955 | ncr3322 | SEOA5999a | seob4609 | |
| MIOA7322 | miob1832 | miob4529 | ncr1757 | ncrc5149 | SEOA8749 | seob5475 | |
| 120. collagen type XI alpha2 (COL11A2) U41068.1 38 | | | | | | | |
| BFC50313 | BFCW0457 | FCR3037N | FCR7702 | hfc0348 | hfc8414 | hfc9446 | ncrb5688 |
| BFC50393 | FCR0205 | FCR5986 | fcrb0338 | hfc0357 | hfc8468 | hfc9465 | ncrc1439 |
| BFC50468n | FCR0450 | FCR6284 | fcrb1150 | hfc0536 | hfc8921 | hfc9631 | ncrc9320 |
| BFC50520n | FCR1183 | FCR6584 | fcrb1479 | hfc4180 | hfc9300 | hfc9929 | |
| BFCW0389 | FCR2580 | FCR7175 | fcrb2179 | hfc5757 | hfc9437 | ncrb1699 | |
| 121. "transcription elongation factor B (SIII), polypeptide 1-like (TCEB1L) "NM_003197.2 38 | | | | | | | |
| hfc7245 | MIOA4595a | MIOA5776a | miob2922 | ncr1480 | ncr2397 | ncr4000 | ncr5540 |
| mioa0740m | MIOA5593a | miob2917 | miob3455 | ncr1720 | ncr2805 | ncr4101 | ncr7565 |
| | | | | | | | ncr8305 |
| | | | | | | | ncr8482 |

Figure 6A – Continued

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|----------|----------|----------|-----------|----------|----------|----------|
| ncrb2749 | ncrc1877 | ncrc3358 | ncrc9332 | seob4568 | seob6006 | seob7584 |
| ncrb3369 | ncrc1883 | ncrc5576 | SEOA4816a | seob5428 | seob7097 | SOA0369 |
| ncrb3532 | ncrc2475 | ncrc7196 | SEOB3092 | seob5605 | seob7478 | |

122. "lysosome-associated protein, transmembrane - 4alpha (=D14696.1 Human KIAA0108) "U34259.1 38

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|----------|-----------|-----------|----------|-----------|-----------|----------|----------|
| BFCS0270 | hfc9427 | MIOA4951a | miob6219 | ncrc0855 | SEOA2844 | SEOA9821 | seob5940 |
| FCR3890 | MIOA0038a | MIOA8794 | ncr1743 | ncrc5950 | SEOA4862a | SEOB0605 | seob7187 |
| FCR4020 | MIOA3786 | mioa9897 | ncrb2628 | ncrc9127 | SEOA7646a | SEOB1984 | seob7923 |
| fcrb0160 | MIOA4007a | miob3977 | ncrb2897 | SEOA0826 | seoa8159 | SEOB2726 | |
| hfc6554 | MIOA4256 | miob4194 | ncrb8558 | seoa0993m | SEOA8588 | seob4479 | |

123. SUI1 isolog AF083441.1 38

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|---------|----------|----------|---------|----------|----------|----------|----------|
| FCR2362 | hfc4136 | miob1161 | ncr2000 | ncr9517 | ncrb1361 | ncrc1742 | SEOA9334 |
| hfc0156 | hfc5187 | miob2512 | ncr3835 | ncr9517 | ncrb1547 | ncrc1742 | SEOA9334 |
| hfc3415 | hfc5187 | miob2512 | ncr3835 | ncrb1183 | ncrb1547 | ncrc8841 | SEOB2034 |
| hfc3415 | MIOA0181 | MIOB2568 | ncr8251 | ncrb1183 | ncrb6091 | ncrc8841 | |
| hfc4136 | miob1161 | ncr2000 | ncr8251 | ncrb1361 | ncrb6091 | SEOA1956 | |

124. small nuclear ribonucleoprotein polypeptide G (SNRPG) X85373 37

| | | | | | | | |
|-----------|-----------|-----------|-----------|-----------|----------|----------|----------|
| hfc1695 | MIOA9068 | SEOA3227 | SEOA6109a | SEOA9768 | seob4374 | seob6499 | seob8174 |
| MIOA3352a | miob3268 | SEOA3688a | SEOA6460a | SEOB0836a | seob4739 | seob7004 | seob8254 |
| MIOA4475a | miob4146 | SEOA3810a | seoa7850a | SEOB0845a | seob4811 | seob7049 | |
| MIOA6765a | SEOA0167a | SEOA4686a | SEOA8647 | SEOB0983 | seob4833 | seob7089 | |
| mioa7895 | SEOA0564A | SEOA5684a | SEOA9559 | SEOB3069 | seob5931 | seob7501 | |

125. N1-phosphatidylinositol-4-phosphate 5-kinase S78798.1 37

| | | | | | | | |
|---------|---------|---------|---------|---------|---------|---------|---------|
| FCR2492 | hfc0489 | hfc0761 | hfc0805 | hfc0899 | hfc1397 | hfc4012 | hfc4334 |
| hfc0040 | hfc0735 | hfc0762 | hfc0820 | hfc0993 | hfc2018 | hfc4159 | hfc4351 |
| hfc0379 | hfc0748 | hfc0768 | hfc0868 | hfc1331 | hfc4002 | hfc4171 | |
| hfc0391 | hfc0757 | hfc0790 | hfc0884 | hfc1376 | hfc4006 | hfc4220 | |
| hfc0456 | hfc0758 | hfc0792 | hfc0887 | hfc1394 | hfc4008 | hfc4327 | |

126. ribosomal protein L38 Z26876 37

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|----------|-----------|-----------|----------|-----------|-----------|----------|----------|
| FCR0398 | hfc5123 | MIOA6090a | ncr0479 | ncrc4894 | SEOA4781a | SEOB3174 | seob6376 |
| FCR3949 | hfc5602 | MIOA6674a | ncr9840 | ncrc8956 | SEOA5081a | SEOB3338 | seob8308 |
| fcrb0608 | hfc8832 | miob2399 | ncrb0902 | ncrc9647 | seoa7014 | seob5164 | |
| fcrb2709 | MIOA0364a | miob3242 | ncrb8766 | SEOA0385 | SEOB0989 | seob5181 | |
| hfc3492 | MIOA3284a | miob3410 | ncrc4026 | SEOA4151a | SEOB1725 | seob6169 | |

127. "cartilage intermediate layer protein, CILP "AB022430.1 37

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|-----------|-----------|----------|----------|-----------|-----------|----------|---------|
| HFRC3276 | MIOA3341a | MIOB2082 | miob5775 | ncr6641 | SEOA2906a | SEOB0417 | SOA0399 |
| MIOA1366a | MIOA3923a | MIOB2622 | miob6191 | ncrb6308 | SEOA3793a | SEOB1165 | SOA0545 |
| MIOA2049 | mioa9474 | miob3195 | miob6831 | ncrb7277 | seoa6816 | seob4869 | |
| MIOA2298a | miob0671 | miob3252 | ncr2979 | SEOA0239a | seoa7045 | seob6863 | |
| MIOA3110a | miob1909 | miob3425 | ncr4832 | SEOA0435 | SEOA9483 | seob7212 | |

128. collagen type VI alpha 3 (COL6A3) NM_004369.1 36

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|---------|---------|----------|----------|----------|---------|----------|-----------|----------|
| FCR7098 | hfc3692 | hfc6167 | mioa9836 | miob4254 | ncr1047 | ncrb1171 | SEOA1360 | SEOA2061 |
| FCR7602 | hfc5140 | mioa9618 | miob1384 | miob4588 | ncr6959 | ncrc1483 | SEOA1442a | SEOA2082 |

Figure 6A - Continued

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|---|-----------|-----------|----------|-----------|-----------|-----------|-----------|-----------|
| SEOA3350a | SEOA5142a | SEOA9381 | SEOB1610 | seob2315 | seob5581 | seob6425 | seob7451 | seob8018 |
| SEOA4504 | SEOA8493 | SEOB0068 | SEOB2235 | seob3642 | seob6393 | seob6470 | seob7711 | seob8329 |
| 129. ribosomal protein S18 X69150.1 36 | | | | | | | | |
| BFCN0120 | FCR0920 | FCR3151 | FCR6538 | FCR7725 | fcrb2326 | hfc10689 | hfc1659 | hfc18990 |
| BFCN0280 | FCR1253 | FCR3795 | FCR6826 | fcrb1184 | fcrb2492 | hfc10733 | hfc1916 | miob1182 |
| CR0938 | FCR1375 | FCR5380 | FCR6964 | fcrb1797 | hfc10093 | hfc10975 | hfc2218 | ncr7308 |
| FCR0417 | FCR1558 | FCR6323 | FCR7360 | fcrb2030 | hfc10189 | hfc1393 | hfc8754 | seob5044 |
| 130. F1-ATPase epsilon-subunit (ATP5E) AF052955.1 33 | | | | | | | | |
| fcrb1103 | miob1689 | miob6334 | ncr3715 | ncrc1088 | SEOB0133 | seob2317 | seob5104 | seob7538 |
| hfc2699 | miob4171 | miob6884 | ncr5416 | ncrc4885 | SEOB0476 | SEOB2660 | seob6221 | |
| hfc9038 | miob4846 | ncr0384 | ncrb7466 | seoa7869a | SEOB1233 | SEOB3333 | seob6307 | |
| miob0444 | miob6205 | ncr2417 | ncrb8509 | SEOA8727 | SEOB1786 | seob4832 | seob7443 | |
| 131. NADH dehydrogenase X81900 33 | | | | | | | | |
| hfc0678 | MIOA1191n | ncr1506 | ncr4605 | ncr6331 | ncr8017 | ncr8689 | SEOA1202A | SEOA3547a |
| hfc5996 | MIOA6101a | ncr2398 | ncr5195 | ncr6746 | ncr8169 | ncr9504 | SEOA2407 | SEOA6036a |
| (=mitochondr | MIOA6662a | ncr2629 | ncr6047 | ncr7396 | ncr8568 | ncrc2579 | SEOA2954a | seob5642 |
| ial genome) | ncr1256 | ncr3143 | ncr6128 | ncr7857 | ncr8640 | SEOA0481 | SEOA3371a | |
| 132. ribosomal protein L12 L06505 33 | | | | | | | | |
| BFCN0205 | hfc1742 | hfc4475 | MIOA4139 | ncr6287 | ncrb7207 | seoa2022n | SEOB1288 | seob7949 |
| BFCN0232 | hfc1885 | hfc4615 | MIOA8966 | ncr6832 | ncrb7613 | SEOA7416a | seob4302 | |
| FCR1078 | hfc2064 | hfc4766 | miob5477 | ncrb1965 | ncrc1429 | SEOB0867a | seob4459 | |
| FCR4737 | hfc3984 | hfc6135 | ncr2170 | ncrb5368 | SEOA1737a | SEOB1261 | seob7349 | |
| 133. BFCN0105 ribosomal protein S5 (RPS5) NM_001009.1 33 | | | | | | | | |
| BFCN0055 | FCR2149 | FCR4669 | FCR6168 | fcrb2557 | hfc2501 | hfc6543 | MIOB2805 | |
| CR0055 | FCR2256 | FCR5966 | FCR6651 | hfc0681 | hfc2578 | hfc7045 | ncr4119 | |
| FCR1609 | fcr3375n | FCR6066 | FCR7163 | hfc1846 | hfc2961 | hfc7809 | ncrc1059 | |
| FCR1930 | FCR4324 | FCR6152 | fcrb2161 | hfc1870 | hfc2975 | hfc9637 | SEOA0405 | |
| 134. cytoskeletal gamma-actin X04098 33 | | | | | | | | |
| FCR0438 | fcrb1075 | hfc3576 | hfc6471 | hfc7025 | miob0933 | ncrb2109 | ncrc4043 | seob7563 |
| FCR2503 | fcrb1487 | hfc4467 | hfc6619 | hfc8387 | miob3532 | ncrb7748 | ncrc9679 | |
| FCR3102 | hfc1183 | hfc4476 | hfc6740 | hfc8409 | ncr6706 | ncrc0240 | ncrc9909 | |
| fcrb0427 | hfc3491 | hfc5166 | hfc6797 | MIOA8852 | ncr9365 | ncrc0623 | SEOA6908 | |
| 135. androgen receptor associated protein 24 (ARA24) (=AF054183 GTP binding protein) AF052578 33 | | | | | | | | |
| FCR0288 | FCR6517 | MIOA1674a | miob1953 | SEOA1302a | SEOA3644a | SEOA5900 | SEOB0519 | seob5296 |
| FCR2417 | FCR6577 | MIOA4792a | miob3175 | SEOA2183a | SEOA3930 | SEOA6467a | SEOB0848a | |
| FCR3772 | fcrb2317 | MIOA5729a | miob6209 | SEOA2686 | SEOA3931 | SEOA8605 | SEOB1907 | |
| FCR5127 | hfc9736 | MIOA9062 | ncrc5877 | seoa2691m | SEOA4246a | SEOB0263 | seob4485 | |
| 136. collagen type IX alpha 3 (COL9A3) AF026802.1 32 | | | | | | | | |
| BFCW0515 | FCR2080 | FCR2886 | FCR3660 | FCR4500 | FCR5271 | FCR7468 | hfc0226 | hfc1406 |
| FCR0477 | FCR2319 | fcr3141 | FCR3799 | FCR4819 | FCR6336 | fcrb0312 | hfc1148 | HFCR3243 |

Figure 6A – Continued

| | | | | | | | |
|---|-----------|-----------|----------|------------|-----------|-----------|-----------|
| HFCR3282 | hfc14118 | hfc16780 | hfc17761 | ncr1265 | ncr5121 | ncrb4813 | |
| hfc14035 | hfc15882 | hfc17464 | hfc19970 | ncr2830 | ncrb2643 | ncrb6579 | |
| 137. "cytochrome c oxidase, liver specific (EC 1.9.3.1.) "X15822 | | | | | | | 32 |
| FCR5121 | MIOA1511 | MIOA7077a | miob3919 | ncr8299 | SEOA2255a | SEOA7397a | SEOB2757 |
| FCR6754 | MIOA3452a | MIOA8045a | miob4390 | SEOA0367n | SEOA4708a | seoa8046 | seob4679 |
| fcrb0703 | MIOA4975a | miob1124 | ncr2262 | SEOA1086a | SEOA5167a | SEOB1795 | seob6809 |
| hfc12767 | MIOA6756a | MIOB2553 | ncr3535 | SEOA1688a | SEOA5574a | SEOB2074 | seob7929 |
| 138. tubulin betaAF070561 | | | | | | | 32 |
| BFCW0529 | FCR2349 | FCR5760 | hfc13517 | hfc14480 | mioa2130m | mioa9421 | ncrb3423 |
| CR0300 | FCR2722 | FCR7108 | hfc13796 | hfc15555 | MIOA2890a | ncr0326 | ncrc2912 |
| FCR0485 | FCR4373 | hfc1648 | hfc13913 | hfc16092 | MIOA6624a | ncr8267 | SEOB1124 |
| FCR2122 | FCR4938 | hfc1787 | hfc14114 | mioa0991nn | MIOA8975 | ncr9473 | seob5640 |
| 139. nmyosin regulatory light chain X54304 | | | | | | | 31 |
| BFC0421 | fcrb1969 | miob0433 | ncr3691 | SEOA1463a | SEOA6099a | SEOB0697a | SEOB2629 |
| FCR4304 | hfc19608 | miob7008 | ncr3993 | SEOA2343a | SEOA6298 | SEOB0729 | SEOB2771 |
| FCR4640 | MIOA5885a | ncr0678 | ncr5207 | SEOA3300 | SEOA7398a | SEOB1440 | seob6765 |
| fcrb1242 | mioa9849 | ncr3311 | SEOA0740 | SEOA4562 | SEOA8842 | SEOB1535 | |
| 140. ribosomal protein L19 X63527 | | | | | | | 31 |
| FCR1522 | FCR6957 | fcrb1811 | hfc13464 | MIOA8627 | ncrb2426 | SEOA7605a | seob6042 |
| FCR1626 | FCR7025 | fcrb2447 | hfc17612 | mioa9853 | ncrc5237 | SEOA7656a | seob6238 |
| FCR3746 | fcrb0030 | fcrb2477 | hfc18003 | miob4197 | SEOA5201a | SEOA8748 | seob6602 |
| FCR3793 | fcrb1581 | hfc12592 | hfc19542 | ncrb1897 | seoa7001 | SEOB3058 | |
| 141. ribosomal protein S3 (RPS3) NM_001005.1 | | | | | | | 31 |
| BFCN0075 | FCR1273 | FCR2281 | fcrb0039 | hfc1865 | hfc17506 | miob0662 | SEOA1035a |
| BFC0502 | FCR1604 | FCR2918 | fcrb1054 | hfc12328 | MIOA1233 | miob6972 | SEOA5669a |
| CR0253 | FCR1740 | FCR5477 | hfc18857 | HFCR3252 | MIOA1481 | ncr1855 | SEOA9880 |
| FCR0260 | FCR1759N | FCR7136 | hfc1857 | hfc15987 | miob0370 | ncr5622 | |
| 142. "clusterin (CLU) SP40,40 (=M63379 TRPM-2 protein) "NM_001831.1 | | | | | | | 31 |
| fcrb1155 | miob0446 | ncr0114 | ncr4415 | ncr9673 | ncrc1669 | SEOA3766a | seob4926 |
| MIOA0543 | miob2404 | ncr1339 | ncr7093 | ncrb0412 | ncrc9539 | SEOA3824a | SOA0440 |
| MIOA2797a | miob5969 | ncr3207 | ncr7160 | ncrb2846 | SEOA2140 | SEOA8238 | SOA0544 |
| mioa9401 | miob6902 | ncr3352 | ncr8225 | ncrb3488 | SEOA2977a | SEOA8446 | |
| 143. ribosomal protein L18 (RPL18) NM_000979.1 | | | | | | | 31 |
| FCR0320 | FCR3626 | FCR5922 | fcrb1619 | hfc12632 | hfc14187 | hfc17051 | ncr0289 |
| FCR0798 | FCR3658 | FCR6176 | fcrb2543 | hfc12921 | hfc14461 | hfc17415 | seoa7890a |
| FCR1655 | FCR4765 | FCR6970 | hfc12024 | HFCR3119 | hfc14482 | hfc19718 | seob6522 |
| FCR2067 | FCR5834 | fcrb0671 | hfc12622 | hfc13944 | hfc16504 | hfc19942 | |
| 144. nephropontin (=X13694.1 osteopontin) M83248.1 | | | | | | | 31 |
| ncrc5787 | ncrc5779 | ncr3988 | ncrb6852 | ncrc6287 | SEOA1300a | SEOA2924a | SEOA4576 |
| ncrc6085 | ncrc6057 | ncr4513 | ncrc2011 | SEOA0527 | SEOA2278a | SEOA3923 | SEOA5284a |
| | | | | | | | SEOA6005a |
| | | | | | | | SEOA6031a |

Figure 6A – Continued

| | | | | | | | |
|--|-----------|-----------|----------|------------|------------|-----------|-----------|
| SEOA6876 | seoa7053 | SEOB1095 | seob3901 | seob7243 | seob7498 | SOA0583 | |
| seoa7003 | SEOA7080a | SEOB2733 | seob5406 | seob7495 | SOA0083 | | |
| 145. "ribonuclease, RNase A family, 1(pancreatic) (RefSeq aa 9e-73) "NP_002924.1 | | | | | | | 31 |
| fcrb2007 | ncr0820 | ncr2636 | ncr8064 | ncrb2094 | ncrc0549 | ncrc2869 | ncrc9859 |
| ncrc6055 | ncr2039 | ncr3496 | ncrb0135 | ncrb4001 | ncrc1134 | ncrc4974 | SEOA4325a |
| ncrc6253 | ncr2343 | ncr5432 | ncrb1334 | ncrb5267 | ncrc1134 | ncrc5867 | SEOA5267a |
| ncr0174 | ncr2455 | ncr7331 | ncrb1615 | ncrc0358 | ncrc2862 | ncrc6500 | |
| 146. Tubulin alpha isoform 1 AF081484 | | | | | | | 30 |
| FCR1795 | FCR7188 | hfc0102 | hfc07099 | mioa0991nn | ncrb7237 | SEOA6216a | SEOB1260 |
| FCR2929 | fcrb1539 | hfc0693 | hfc08782 | MIOA5966a | SEOA0824 | SEOA6420 | seob6818 |
| FCR6333 | fcrb1618 | hfc1298 | hfc09141 | ncrb1285 | seoa3475an | SEOA9454 | |
| FCR6909 | hfc0006 | hfc6235 | hfc9403 | ncrb4045 | SEOA6010a | SEOB0450 | |
| 147. ribosomal protein S23 (RPS23) =D14530 (ORF) NM_001025.1 | | | | | | | 30 |
| BFCN0135 | hfc05192 | MIOA4720 | ncr4205 | ncrb3926 | ncrc3707 | SEOA3648a | seob8069 |
| FCR5091 | hfc05765 | MIOA7015a | ncr4684 | ncrb7037 | ncrc4503 | SEOA6250 | SOA0282 |
| hfc0538 | hfc05999 | miob0955 | ncr5220 | ncrc1749 | ncrc4746 | SEOB2194 | |
| hfc1117 | hfc09928 | ncr2349 | ncrb1471 | ncrc2596 | ncrc5528 | seob5567 | |
| 148. T-cell cyclophilin Y00052 | | | | | | | 30 |
| FCR1368 | FCR4681 | fcrb1523 | hfc05034 | hfc09100 | ncr0099 | SEOA0588a | seob5128 |
| FCR1627 | FCR5391 | hfc02645 | hfc06252 | hfc09717 | ncrb3852 | SEOA1756a | seob8194 |
| FCR2480 | FCR7032 | hfc02802 | hfc08411 | MIOA3009a | ncrb6939 | seoa7970 | |
| FCR3402 | fcrb0625 | hfc03770 | hfc09086 | mioa9204 | ncrc3978 | seob4379 | |
| 149. ribosomal protein L22 (RPL22) NM_000983.1 | | | | | | | 30 |
| BFCW0280 | hfc0376 | miob3816 | ncr6816 | ncrb2344 | ncrc2681 | SEOA2885n | SEOB3168 |
| CR0936 | hfc07087 | ncr0412 | ncr9448 | ncrb3805 | ncrc5041 | SEOA5524a | SEOB3295 |
| FCR1365 | MIOA3236a | ncr0640 | ncr9456 | ncrb6877 | ncrc9016 | seoa7707a | |
| fcrb0582 | mioa9526 | ncr6040 | ncrb0703 | ncrc0756 | SEOA2877 | seoa7801a | |
| 150. ribosomal protein L35 U12465 | | | | | | | 30 |
| BFCN0059 | FCR0077 | FCR2499 | FCR7328 | hfc02684 | hfc06301 | hfc09015 | ncrb5697 |
| BFCS0297 | FCR1325 | FCR3049 | fcrb0360 | hfc02730 | hfc06374 | hfc09817 | SEOA0747 |
| BFCW0403 | FCR1656N | FCR4332 | fcrb1557 | hfc03779 | hfc07543 | hfc09880 | |
| BFCW0436 | FCR2142 | FCR4473 | hfc02534 | hfc05998 | hfc07625 | ncr5143 | |
| 151. "ribonuclease, RNase A "NM_002937.1 | | | | | | | 30 |
| ncrc6055 | ncr0820 | ncr2636 | ncr8064 | ncrb2094 | ncrc0549 | ncrc4974 | SEOA4325a |
| ncrc6253 | ncr2039 | ncr3496 | ncrb0135 | ncrb4001 | ncrc1134 | ncrc5867 | SEOA5267a |
| fcrb2007 | ncr2343 | ncr5432 | ncrb1334 | ncrb5267 | ncrc2862 | ncrc6500 | |
| ncr0174 | ncr2455 | ncr7331 | ncrb1615 | ncrc0358 | ncrc2869 | ncrc9859 | |
| 152. collagen lysyl hydroxylase isoform 2 (PLOD2) U84573 | | | | | | | 30 |
| FCR5085 | MIOA5244a | miob0240 | MIOB2240 | miob2475 | ncr0800 | ncrb4358 | ncrb7447 |
| hfc07472 | mioa5668n | MIOB2126 | MIOB2305 | MIOB2587 | ncrb0840 | ncrb6691 | ncrc8982 |
| | | | | | | | ncrc9078 |
| | | | | | | | SEOA0977 |

Figure 6A – Continued

| | | | | | | | |
|---|-----------|-----------|------------|-----------|-----------|-----------|----------|
| SEOA2509 | SEOA3747a | SEOA5368 | SEOA8633 | seob5353 | seob7196 | | |
| seoa3271n | SEOA3752a | seoa7848a | SEOB1823 | seob5515 | seob7512 | | |
| 153. heterogeneous nuclear ribonucleoprotein A1 (HNRPA1) NM_002136.1 | | | | | | 29 | |
| FCR7133 | hfc1136 | hfc15440 | hfc17867 | miob1188 | ncrb5479 | ncrc6718 | seob6874 |
| BFC50207n | hfc1144 | hfc16516 | hfc19017 | ncr0471 | ncrb6072 | SEOB0126 | |
| fcrb2000 | hfc1683 | hfc16587 | MIOA8719 | ncr5859 | ncrc2816 | seob3894 | |
| fcrb2624 | HFCR3235 | hfc16641 | MIOA9040 | ncrb4766 | ncrc3013 | seob6324 | |
| 154. "ATP synthase, H transporting, mitochondrial F0 complex, subunit e (RefSeq aa 1e-33) "NP_009031.1 | | | | | | 29 | |
| MIOA6076a | ncr2795 | ncrb0054 | ncrc1917 | ncrc4548 | SEOA0811 | SEOA5960 | seob7622 |
| MIOA6360a | ncr6036 | ncrb1493 | ncrc2205 | ncrc4947 | SEOA1220A | SEOA6546a | |
| MIOA7461a | ncr6041 | ncrb3252 | ncrc2365 | ncrc6411 | SEOA2269a | SEOB2160 | |
| miob1479 | ncr9036 | ncrb7962 | ncrc3798 | ncrc6515 | SEOA5648a | seob6617 | |
| 155. "eukaryotic translation initiation factor 4 gamma, 2 (EIF4G2) "NM_001418.1 | | | | | | 29 | |
| fcrb0263 | MIOA2528a | ncrb1718 | SEOA1597a | SEOA5903 | SEOA9027 | seob5840 | seob7314 |
| fcrb2550 | MIOA6612a | ncrb1802 | SEOA5410 | SEOA8273 | SEOA9220 | seob5857 | |
| hfc12761 | MIOA7547a | ncrc1395 | SEOA5653a | SEOA8403a | SEOA9649 | seob7165 | |
| MIOA1847a | ncr7964 | ncrc3655 | SEOA5763 | SEOA8967 | SEOB3589 | seob7256 | |
| 156. "Integrin-binding sialoprotein (bone sialoprotein, bone sialoprotein II)(IBSP) "NM_004967.1 | | | | | | 29 | |
| ncr0491 | ncr2685 | ncr8418 | ncrb3547 | ncrb7107 | ncrc1097 | ncrc2967 | ncrc6857 |
| ncr2481 | ncr4839 | ncr8529 | ncrb4386 | ncrb7676 | ncrc2243 | ncrc4585 | |
| ncr2501 | ncr6195 | ncrb1375 | ncrb5605 | ncrb8060 | ncrc2699 | ncrc5177 | |
| ncr2585 | ncr6676 | ncrb2683 | ncrb6577 | ncrb8111 | ncrc2841 | ncrc6651 | |
| 157. mitochondrial ATPase coupling factor 6 subunit (ATP5A) M37104 | | | | | | 29 | |
| MIOA3079a | miob5893 | SEOA0108 | seoa2520m | SEOA3909 | SEOA6706 | SEOA7630a | seob7078 |
| miob0836 | miob6940 | SEOA0313 | seoa2612n | SEOA5929 | SEOA7200a | SEOA8354a | |
| miob1025n | ncr3501 | SEOA1325n | seoa3379an | SEOA5948 | SEOA7254a | SEOB3573 | |
| miob4833 | SEOA0049 | SEOA1503 | SEOA3791a | SEOA6446a | SEOA7580a | seob4019 | |
| 158. heparan sulfate proteoglycan (HSPG) (OC15) J04621.1 | | | | | | 29 | |
| BFC50024 | FCR6060 | hfc15127 | MIOA8162 | ncrc6240 | SEOA4737a | SEOB0902a | seob7282 |
| FCR0174 | hfc12554 | MIOA1598 | ncr4046 | SEOA0364 | SEOA6872 | SEOB3362 | |
| FCR0690 | hfc12943 | MIOA2782a | ncrb3611 | SEOA2987a | SEOA7498a | seob3997 | |
| FCR4967 | HFCR3203 | MIOA7573a | ncrc3074 | SEOA4266a | seoa8086 | seob5308 | |
| 159. ribosomal protein S21 (RPS21) L04483 | | | | | | 29 | |
| FCR0650 | FCR3744 | fcrb0398 | hfc10084 | hfc16664 | hfc19183 | ncrb8701 | SEOB1698 |
| FCR1172 | FCR5218 | fcrb1332 | hfc10180 | hfc16748 | mioa7875 | SEOA0933 | |
| FCR1498 | FCR5355 | fcrb2093 | hfc15209 | hfc17465 | ncr1426 | SEOA2648 | |
| FCR3357 | FCR6375 | fcrb2246 | hfc16095 | hfc18680 | ncr2423 | SEOA5551a | |
| 160. nucleolar phosphoprotein B23 (NPM1) M28699 | | | | | | 29 | |
| FCR5634 | hfc13946 | MIOA0832 | miob4364 | ncr2369 | ncr8645 | ncrb5486 | ncrb6793 |
| hfc12026 | hfc17854 | MIOA4798a | miob6262 | ncr7161 | ncrb4481 | ncrb6604 | ncrc0277 |
| | | | | | | | ncrc1076 |
| | | | | | | | ncrc2900 |

Figure 6A – Continued

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|---|-----------|------------|-----------|-----------|-----------|-----------|----------|----------|
| ncrc4778 | ncrc6667 | seoa3444an | SEOA6899 | SEOB1408 | seob7537 | | | |
| ncrc4851 | ncrc9039 | SEOA5578a | SEOB0844a | seob5626 | | | | |
| 161. cartilage-derived C-type lectin (CLECSF1) AF077345 29 | | | | | | | | |
| MIOA2327a | ncr0623 | ncr2654 | ncr9350 | ncrb5530 | ncrc5911 | SEOB1449 | SOA0535 | |
| MIOA6484a | ncr1572 | ncr6793 | ncrb0620 | ncrb6995 | ncrc6787 | seob4606 | | |
| MIOA6929a | ncr1677 | ncr7071 | ncrb2089 | ncrb7892 | SEOA2713 | SOA0387 | | |
| mioa9940 | ncr2644 | ncr7769 | ncrb2744 | ncrc5751 | SEOA6135a | SOA0411 | | |
| 162. ribosomal protein L8 Z28407 28 | | | | | | | | |
| FCR2414 | FCR3919N | fcr6664n | hfc0028 | hfc04038 | hfc06703 | miob0269 | | |
| FCR3275 | FCR3951 | FCR7166 | hfc0124 | hfc05280 | hfc08465 | miob0275 | | |
| FCR3396 | FCR6231 | FCR7380 | hfc0410 | hfc06031 | hfc09647 | ncr8019 | | |
| fcr3675n | FCR6256 | fcrb2620 | hfc0665 | hfc06066 | hfc09769 | SEOA0926 | | |
| 163. spermidine/spermine N1-acetyltransferase Z14136 28 | | | | | | | | |
| hfc07616 | MIOA4928a | mioa9977 | ncr1214 | ncrc9310 | SEOA2638 | SEOB2010 | | |
| MIOA0055a | MIOA5820a | miob3826 | ncr1825 | ncrc9944 | seoa4893a | SEOB2098 | | |
| mioa0503m | MIOA6000a | miob6750 | ncrb0484 | SEOA0047 | SEOA5067a | seob4298 | | |
| MIOA3132a | MIOA6431a | ncr0617 | ncrb5385 | SEOA1788a | SEOA5472a | soa0042n | | |
| 164. Sec61 gamma AF054184 28 | | | | | | | | |
| FCR3832 | MIOA8832 | ncrb4437 | SEOA2340a | SEOA7371a | SEOA9918 | seob2575 | | |
| FCR4359 | miob4360 | ncrb6426 | SEOA2495 | SEOA7617a | SEOB0565 | seob3664 | | |
| hfc01427 | ncr2265 | ncrc6782 | SEOA3401a | SEOA8420 | SEOB0772 | seob6165 | | |
| MIOA0099 | ncr7621 | SEOA1844a | SEOA7326a | SEOA8922 | SEOB1934 | seob7138 | | |
| 165. MEN1 region clone epsilon/beta AF001893.1 28 | | | | | | | | |
| MIOA0405a | MIOA8621 | ncr9483 | ncrb4192 | ncrc2879 | ncrc5700 | SEOA1385 | | |
| MIOA0793 | MIOA8674 | ncrb0407 | ncrb5722 | ncrc3332 | ncrc5908 | seob4134 | | |
| MIOA0907a | miob0900 | ncrb0485 | ncrc0837 | ncrc4355 | ncrc7162 | seob4143 | | |
| MIOA0930 | miob6967 | ncrb3235 | ncrc1918 | ncrc4481 | ncrc9360 | SOA0661 | | |
| 166. polyubiquitin E12605 28 | | | | | | | | |
| BFC03036 | FCR6987 | hfc0662 | hfc9999 | ncr0897 | ncr6429 | SEOA6677a | | |
| FCR2562 | FCR7073 | hfc1277 | miob0409 | ncr1996 | ncrb0711 | SEOA8335a | | |
| FCR3939 | fcrb0306 | hfc05070 | miob4003 | ncr2776 | ncrb1153 | SEOA8461 | | |
| FCR4937 | hfc0562 | hfc07779 | ncr0734 | ncr3661 | SEOA0754 | seob6494 | | |
| 167. ribosomal protein S7M77233 28 | | | | | | | | |
| CR0281 | hfc04241 | miob1742 | ncrb8336 | ncrc6557 | SEOA5441 | seob5819 | | |
| FCR1731 | hfc05119 | miob3356 | ncrc1018 | SEOA0757 | SEOA7406a | seob6336 | | |
| FCR3936 | hfc06111 | ncrb0929 | ncrc4973 | SEOA1560 | SEOB1988 | seob6511 | | |
| hfc0377 | hfc08500 | ncrb3843 | ncrc5937 | SEOA2215a | SEOB3310 | seob7573 | | |
| 168. caveolin 1 (CAV1) AF125348.1 28 | | | | | | | | |
| MIOA0293n | MIOA2583a | MIOA5134a | MIOA7205a | mioa9976 | miob6265 | ncrc0569 | ncrc3957 | ncrc4957 |
| MIOA2029 | MIOA2804a | MIOA5926a | mioa9768 | miob3938 | ncr1981 | ncrc1302 | ncrc4111 | SEOA1353 |

Figure 6A – Continued

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|--|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------|
| SEOA1732a | SEOA3328a | SEOA9595 | seob1046 | SEOB1915 | | | | |
| SEOA2139 | SEOA8203a | SEOB0191 | SEOB1117 | seob7610 | | | | |
| 169. ribosomal protein L18a L05093.1 28 | | | | | | | | |
| BFCN0047 | FCR2285 | FCR5748 | fcrb2626 | hfc0900 | hfc4194 | hfc9583 | | |
| BFCN0220 | FCR3077 | fcrb1007 | hfc0047 | hfc1199 | hfc5274 | hfc9723 | | |
| BFCW0244 | FCR4620 | fcrb1474 | hfc0143 | hfc1963 | hfc6781 | hfc9991 | | |
| FCR0658 | FCR5015 | fcrb2542 | hfc0716 | hfc3422 | hfc9046 | ncr0289 | | |
| 170. HSPC036 protein (=AF077200.1 HSPC014) AF125097.1 28 | | | | | | | | |
| hfc1933 | MIOA3339a | miob2884 | SEOA2242a | SEOA6407 | SEOB1030 | seob6397 | | |
| hfc5898 | MIOA6663a | miob3380 | SEOA2444a | SEOA6901 | SEOB1374 | seob7003 | | |
| MIOA0098 | miob0087 | SEOA0217a | SEOA4376a | SEOA9848 | seob4581 | seob7476 | | |
| MIOA2319a | miob0934 | SEOA0537 | SEOA6351 | SEOB0171 | seob6204 | seob7742 | | |
| 171. "lectin, galactoside-binding, soluble, 1 (galectin 1) (LGALS1)mRNA (=14 kd lectin) (=14kDa beta-galactoside-binding lectin) "NM_002305.2 28 | | | | | | | | |
| BFCW0064n | fcr2015 | fcrb1302 | hfc0706 | hfc5709 | hfc9605 | ncr1051 | | |
| bfcw0088 | fcr6533 | fcrb2037 | hfc1638 | hfc7444 | hfc9847 | ncrb4378 | | |
| fcr0632 | fcrb0144 | hfc0458 | hfc2721 | hfc9482 | mioa9311 | ncrc9700 | | |
| fcr0736 | fcrb0304 | hfc0548 | hfc5253 | hfc9532 | miob1785 | ncrc9772 | | |
| 172. "hemoglobin, gamma G (HBG2) (=PRO2898) "NM_000184.1 27 | | | | | | | | |
| BFC50516 | FCR5910 | fcrb2084 | hfc0121 | hfc2217 | hfc5164 | hfc6804 | hfc7825 | hfc9346 |
| FCR4116 | fcrb1614 | fcrb2137 | hfc0546 | hfc2552 | hfc5206 | hfc7007 | hfc8372 | hfc9521 |
| FCR4970 | fcrb1693 | hfc0025 | hfc1899 | hfc5149 | hfc5775 | hfc7721 | hfc8415 | hfc9746 |
| 173. ribosomal protein L24 (RPL24) (=ribosomal protein L30) NM_000986.1 27 | | | | | | | | |
| FCR0334 | fcrb2731 | hfc8448 | ncr3529 | ncrb5939 | ncrc0468 | ncrc4719 | seoa4970a | seob3953 |
| fcrb0995 | hfc4142 | hfc9343 | ncrb1433 | ncrb6273 | ncrc4052 | ncrc7003 | SEOB1564 | seob6371 |
| fcrb2383 | hfc5422 | miob3086 | ncrb2277 | ncrb7811 | ncrc4554 | ncrc9838 | seob3865 | seob6837 |
| 174. high mobility group-1 protein (HMG-1) X12597 27 | | | | | | | | |
| FCR5559 | hfc7623 | MIOA6870a | mioa7858 | miob1888 | miob6405 | SEOA3561a | SEOB1978 | SEOB3204 |
| hfc1285 | MIOA0757 | MIOA7274 | MIOA8597 | miob1911 | ncr6311 | SEOA4746a | SEOB2059 | seob5574 |
| hfc3535 | MIOA4642a | MIOA7408a | MIOB1530 | miob4189 | SEOA1632a | SEOA9563 | SEOB2772 | SOA0701 |
| 175. Integrin beta 1 subunit X07979.1 27 | | | | | | | | |
| FCR5190 | MIOA7070a | miob3079 | ncrb8189 | SEOA2047 | SEOA6173a | seoa7845a | SEOB0137 | seob5191 |
| MIOA3317a | mioa9237 | ncr8569 | ncrc1083 | SEOA4642a | SEOA6335 | SEOA8383a | seob4014 | seob7044 |
| MIOA5808a | miob0717 | ncrb3229 | seoa1012m | SEOA6040a | SEOA6892 | SEOA8715 | seob4875 | seob7933 |
| 176. "hemoglobin, gamma A (HBG1) "NM_000559.1 27 | | | | | | | | |
| FCR5530 | fcrb1614 | fcrb2137 | hfc1642 | hfc2552 | hfc5164 | hfc6804 | hfc8372 | hfc9372 |
| fcr5733 | fcrb1693 | hfc0546 | hfc1899 | hfc2993 | hfc5215 | hfc7509 | hfc8415 | hfc9521 |
| FCR6383 | fcrb2084 | hfc1170 | hfc2217 | hfc5149 | hfc5775 | hfc7825 | hfc9346 | hfc9746 |

Figure 6A – Continued

| | | | | | | | | |
|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 177. ribosomal protein S9U14971 27 | | | | | | | | |
| FCR1755 | FCR0492 | FCR6478 | hfc6920 | fcrb1701 | hfc4267 | hfc7057 | hfc1295 | fcrb2473 |
| CR1010 | BFCW0534 | FCR6985 | hfc9200 | hfc0873 | hfc5131 | hfc7428 | hfc3801 | fcrb1349 |
| BFC0492 | FCR2003 | hfc5643 | fcrb0686 | hfc4032 | hfc5442 | hfc7737 | hfc0454 | hfc9920 |
| 178. lysosomal membrane glycoprotein CD63 (=M59907 ME491;X07982) M58485 26 | | | | | | | | |
| FCR3254 | hfc0266 | hfc9428 | miob0233 | ncr7636 | ncrb0815 | ncrc0714 | ncrc9523 | SEOA5990a |
| FCR5074 | hfc2575 | MIOA3480a | ncr2775 | ncr8322 | ncrb2197 | ncrc3939 | SEOA2291a | SEOB1672 |
| fcrb1852 | hfc7949 | MIOA5403a | ncr4126 | ncrb0383 | ncrb3126 | ncrc6315 | SEOA5846 | |
| 179. RIBOSOMAL PROTEIN S2 (S4) (LLREP3 PROTEIN) spP15880 26 | | | | | | | | |
| FCR0879 | FCR2294 | FCR4318 | FCR6617 | fcrb1295 | hfc2520 | hfc3874 | hfc8570 | MIOA4319a |
| FCR1472 | FCR2358 | FCR5517 | FCR7205 | hfc1415 | hfc2733 | hfc5636 | hfc9050 | ncrc0321 |
| FCR1475 | FCR4302 | FCR6068 | FCR7659 | hfc1830 | hfc3420 | hfc7534 | hfc9159 | |
| 180. matrilin-3 (MATR3)Y13341 26 | | | | | | | | |
| BFCW0186 | hfc1159 | hfc7807 | miob4496 | ncr9477 | ncrb5011 | SEOA3917 | SEOB0570 | seob5661 |
| FCR6514 | FCR1705 | MIOA3510a | ncr1617 | ncrb2696 | ncrc5091 | seoa7842a | seob3703 | soa0489n |
| fcrb0352 | hfc4348 | miob2988 | ncr9020 | ncrb2799 | SEOA1653a | SEOB0380 | seob5238 | |
| 181. chitinase (HUMTCHIT) U58515 26 | | | | | | | | |
| ncrb0045 | SEOA1079a | SEOA2866 | SEOA5145a | SEOA6498a | SEOA8271 | SEOB1255 | SEOB3140 | seob5679 |
| SEOA0467 | SEOA1105a | SEOA3538a | SEOA5248a | SEOA7338a | SEOA9135 | SEOB1753 | seob4571 | seob7557 |
| SEOA0890n | SEOA2789 | SEOA4574 | SEOA6236 | SEOA7363a | SEOB0277 | SEOB2239 | seob4845 | |
| 182. CGI-134 protein (LOC51023) NM_016067.1 26 | | | | | | | | |
| MIOA0149 | mioa9417 | ncr1020 | SEOA3204 | SEOA5536a | SEOA6636a | seoa7800a | SEOB0908a | seob7191 |
| MIOA0361a | ncr0533 | ncr7959 | SEOA3757a | SEOA6022a | SEOA7330a | SEOA8817 | SEOB1909 | SOA0622 |
| MIOA6581a | ncr0740 | SEOA0921 | SEOA5535a | SEOA6595a | SEOA7650a | SEOB0272 | seob6887 | |
| 183. ribosomal protein S10 NM_001014.1 26 | | | | | | | | |
| BFCW0038 | FCR4675 | FCR6560 | fcrb1530 | hfc2503 | hfc7571 | hfc8944 | hfc9675 | seob4505 |
| FCR0066 | FCR5035 | fcrb0346 | fcrb1972 | hfc3363 | hfc7693 | hfc9162 | ncrb5257 | seob8223 |
| FCR4502 | FCR6207 | fcrb0567 | hfc1281 | hfc5840 | hfc7886 | hfc9664 | SEOA9460 | |
| 184. "tissue inhibitor of metalloproteinase 3 (Sorsby fundus dystrophy, pseudoinflammatory) (TIMP3) "NM_000362.1 26 | | | | | | | | |
| hfc0853 | MIOA1458 | MIOA3750a | MIOA6197a | miob3184 | miob6629 | ncrb0644 | SEOA1639a | SEOB1686 |
| hfc3708 | MIOA2274a | MIOA5114a | MIOA9036 | miob3351 | miob6779 | ncrb8231 | SEOA4649a | seob5003 |
| MIOA1026 | MIOA3440a | mioa5706n | mioa9627 | miob6019 | ncr6690 | SEOA0556A | seoa6833 | |
| 185. H19 (=PRO2605) M32053 26 | | | | | | | | |
| FCR0238 | FCR0966 | FCR4762 | FCR5645 | FCR6528 | FCR7541 | hfc2794 | hfc5975 | hfc8968 |
| FCR0388 | FCR2689 | FCR4926 | FCR5717 | FCR7155 | fcrb1513 | hfc3026 | hfc6546 | ncr0923 |
| FCR0532 | FCR4379 | FCR5160 | FCR6465 | FCR7180 | hfc2725 | hfc5111 | hfc8967 | |

Figure 6A – Continued

186. histone H3.3 Z48950 26

| | | | | | | | | |
|----------|-----------|----------|----------|----------|----------|-----------|----------|----------|
| fcfb2487 | MIOA4611a | miob6622 | ncr6903 | ncrb3172 | ncrc1980 | ncrc6405 | SEOA9789 | seob5866 |
| hfcf7068 | MIOA6839a | ncr0547 | ncrb1585 | ncrb5585 | ncrc3395 | SEOA3422a | SEOB1402 | seob6700 |
| hfcf9690 | miob2490 | ncr3664 | ncrb2649 | ncrc0334 | ncrc3900 | SEOA4502 | SEOB1649 | |

187. ferritin L chain M11147 25

| | | | | | | | | |
|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| BFC50408 | FCR2727 | hfcf7425 | miob1387 | ncr3229 | ncrb2191 | ncrc0917 | ncrc3778 | SEOB1859 |
| FCR0796 | FCR5438 | hfcf7531 | ncr1710 | ncrb0904 | ncrb5746 | ncrc1019 | SEOB0037 | |
| FCR1304 | fcfb2612 | hfcf9630 | ncr2648 | ncrb1997 | ncrb6778 | ncrc3061 | SEOB1240 | |

188. signal recognition particle 14kD (homologous Alu RNA-binding protein)(SRP14) (=18 kDa Alu RNA binding protein)(=signal recognition particle subunit 14) NM_003134.1 25

| | | | | | | | | |
|----------|-----------|----------|---------|---------|----------|----------|----------|----------|
| hfcf7287 | mioa7754a | miob0873 | ncr2112 | ncr6909 | ncrb0288 | ncrb4343 | ncrc1473 | seob4773 |
| hfcf8858 | MIOA8039a | miob3385 | ncr4652 | ncr7339 | ncrb2627 | ncrb7015 | ncrc4270 | |
| hfcf9266 | MIOA8797 | miob3433 | ncr4814 | ncr7727 | ncrb3151 | ncrb8377 | ncrc7080 | |

189. fatty acid binding protein (adipocyte lipid-binding protein) NM_001442.1 25

| | | | | | | | | |
|----------|-----------|-----------|----------|----------|----------|----------|----------|-----------|
| fcfb1839 | hfcf5971 | mioa7723a | MIOA8687 | mioa9612 | miob1199 | miob3808 | miob6651 | SEOA4424a |
| hfcf0854 | MIOA5583a | mioa7818a | mioa9547 | mioa9745 | miob1343 | miob3872 | ncrc1367 | |
| HFCR3233 | MIOA6577a | mioa7892 | mioa9575 | mioa9757 | miob3155 | miob6508 | ncrc6545 | |

190. "ribosomal protein, large P2 (RPLP2) "NM_001004.1 25

| | | | | | | | | |
|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| fcfb0211 | hfcf1435 | hfcf3362 | hfcf5950 | hfcf9232 | miob3857 | ncr5599 | ncrc4221 | seob6350 |
| fcfb0436 | hfcf2587 | hfcf4082 | hfcf6892 | hfcf9408 | ncr1396 | ncrb2067 | ncrc9710 | |
| fcfb2253 | hfcf2978 | hfcf5175 | hfcf7680 | miob3406 | ncr4218 | ncrb6307 | SEOB3326 | |

191. CD63 antigen (melanoma 1 antigen) (CD63) NM_001780.1 25

| | | | | | | | | |
|----------|----------|-----------|-----------|---------|----------|----------|-----------|----------|
| FCR1521 | hfcf0266 | hfcf9428 | mioa5713n | ncr4126 | ncrb0383 | ncrb3126 | ncrc6315 | SEOB1672 |
| fcf3117 | hfcf2575 | MIOA3480a | miob0233 | ncr7636 | ncrb0815 | ncrc0714 | ncrc9523 | |
| fcfb1852 | hfcf7949 | MIOA5403a | ncr2775 | ncr8322 | ncrb2197 | ncrc3939 | SEOA2291a | |

192. defender against cell death 1 (DAD1) NM_001344.1 25

| | | | | | | | | |
|----------|-----------|----------|----------|----------|-----------|-----------|-----------|----------|
| CR0535 | MIOA1614a | miob0508 | ncrb2755 | ncrc0828 | ncrc6613 | SEOA1146a | SEOA8336a | seob5645 |
| fcfb2319 | MIOA2472a | miob6556 | ncrb3356 | ncrc2649 | ncrc9725 | SEOA1972a | SEOB3120 | |
| hfcf6819 | MIOA5261a | ncr8713 | ncrb5662 | ncrc6026 | SEOA1126a | SEOA6710 | seob4219 | |

193. cytochrome b (ORF) U09500 25

| | | | | | | | | |
|----------|----------|-----------|----------|----------|----------|-----------|----------|----------|
| hfcf0746 | hfcf8907 | MIOA4082a | miob6526 | ncrb0043 | ncrb7347 | SEOA0030 | SEOA9157 | seob6512 |
| hfcf4542 | hfcf9967 | MIOA4191 | ncr0524 | ncrb2803 | ncrc8887 | SEOA7405a | SEOB0153 | |
| hfcf6736 | MIOA3796 | miob4421 | ncr6298 | ncrb6145 | ncrc9654 | SEOA9029 | seob4179 | |

194. metallothionein-II (mt-II) J00271 25

| | | | | | | | | |
|----------|---------|---------|----------|----------|----------|----------|----------|----------|
| MIOA1752 | ncr0575 | ncr3029 | ncr7626 | ncrb1106 | ncrb3608 | ncrb5892 | ncrc1609 | seob5707 |
| ncr0152 | ncr1260 | ncr3927 | ncr9167 | ncrb1410 | ncrb4133 | ncrb7587 | ncrc3571 | |
| ncr0160 | ncr2536 | ncr4331 | ncrb0160 | ncrb3053 | ncrb4287 | ncrb8475 | ncrc5048 | |

Figure 6A – Continued

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|--|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------|
| 195. RNA polymerase II elongation factor-like protein Z47087 | | | | | 25 | | | |
| BFCW0573 | FCR0272 | hfcf5473 | MIOA1146 | miob4657 | SEOA1739a | SEOA7592a | SEOB0852a | SEOB3137 |
| CR0020 | FCR0425 | hfcf7399 | MIOA2790a | ncr0261 | SEOA3187 | SEOA8682 | SEOB0872a | |
| CR0206 | FCR1541 | MIOA0980 | MIOA3835 | ncr8400 | SEOA6280 | SEOB0364 | SEOB2223 | |
| 196. insulin-like growth factor II (IGF-2)X07858 | | | | | 24 | | | |
| CR0707 | FCR2233 | FCR5076 | fcrb0086 | hfcf0512 | hfcf1264 | HFCR3210 | hfcf3896 | |
| FCR1247 | FCR4398 | FCR6185 | fcrb2116 | hfcf1057 | hfcf1647 | hfcf3653 | hfcf6550 | |
| FCR1750 | FCR4839 | FCR7604 | hfcf0432 | hfcf1157 | hfcf2569 | hfcf3875 | hfcf7606 | |
| 197. CD9 antigen (p24/CD9) L08125 | | | | | 24 | | | |
| CR0271 | MIOA0587a | MIOA2542a | mioa9998 | miob6921 | SEOA1622a | SEOA5341 | SEOA9286 | |
| FCR2770 | MIOA1814a | MIOA7104a | miob3878 | ncr9149 | SEOA3593a | SEOA7933a | seob6645 | |
| fcrb2020 | MIOA2323a | mioa9420 | miob4837 | ncr6548 | SEOA5154a | seoa8054 | seob8332 | |
| 198. lactate dehydrogenase A (LDHA) NM_005566.1 | | | | | 24 | | | |
| FCR4584 | hfcf1276 | MIOA2189a | ncr1964 | ncrc6277 | SEOA2542 | SEOA3683a | SEOB0063 | |
| FCR7125 | MIOA0170 | MIOA4901a | ncr2621 | SEOA0808 | SEOA2684 | SEOA6094a | seob4050 | |
| fcrb1519 | MIOA1454 | MIOA9035 | ncrb6167 | SEOA1247A | SEOA3138 | SEOA7492a | seob5086 | |
| 199. poly(A)-binding protein (PABP) U68105 | | | | | 24 | | | |
| CR0716 | HFCR3197 | miob6072 | ncrb2288 | ncrb6910 | seoa2058n | SEOA5046a | seob5908 | |
| fcrb0961 | hfcf9288 | ncr6603 | ncrb3185 | ncrb8464 | SEOA2087 | SEOA7270a | seob6202 | |
| fcrb1942 | hfcf9963 | ncr7069 | ncrb3414 | ncrc6635 | SEOA3477a | SEOA8468 | seob7555 | |
| 200. mitochondrial ubiquinone-binding protein M26700 | | | | | 24 | | | |
| fcrb1720 | hfcf1047 | MIOA5975a | miob0369 | miob6022 | ncrb4771 | SEOA4764a | SEOB0837a | |
| hfcf0609 | MIOA1530 | MIOA6363a | miob2378 | miob7000 | ncrb7806 | SEOA5998a | SEOB2121 | |
| hfcf0838 | MIOA2765a | mioa9209 | miob5470 | ncr2965 | SEOA1132a | SEOB0803 | SEOB2132 | |
| 201. "ATP synthase, H transporting, mitochondrial F0 complex, subunit g (ATP5L), mRNA /cds=(73,384) /gb=NM_006476 /gi=5453560 /ug=Hs.107476 /len=482 "Hs.107476 | | | | | | | | |
| | | | | | 24 | | | |
| BFCN0168n | hfcf6692 | miob1479 | ncr6126 | ncrb5117 | ncrc3798 | seoa7002 | seob6617 | |
| hfcf1792 | MIOA4283 | miob3229 | ncr6223 | ncrc2365 | ncrc6515 | SEOA8968 | seob6758 | |
| hfcf1913 | MIOA5955a | ncr6036 | ncr6236 | ncrc3468 | seoa6768 | SEOB2160 | seob7622 | |
| 202. MORF-related gene X (KIAA0026) (=MRG15)NM_012286.1 | | | | | 24 | | | |
| hfcf3501 | miob0832 | ncr0054 | ncr3263 | ncrb2263 | ncrc4842 | SEOB1391 | seob4752 | |
| hfcf6768 | miob1944 | ncr0444 | ncrb0151 | ncrb3135 | ncrc9135 | seob4155 | seob6197 | |
| mioa9661 | miob6758 | ncr3096 | ncrb0370 | ncrc3769 | SEOA9283 | seob4602 | seob7946 | |
| 203. brain-expressed HHCPA78 homologue (VDUP1)S73591 | | | | | 24 | | | |
| FCR0447 | ncr0650 | ncr1819 | ncr8422 | ncrc1708 | ncrc4409 | ncrc7050 | SEOB0396 | |
| FCR0735 | ncr1194 | ncr3777 | ncrb7507 | ncrc1713 | ncrc4650 | SEOA0860 | SEOB1503 | |
| ncr0066 | ncr1688 | ncr4078 | ncrc1296 | ncrc2356 | ncrc6656 | SEOA0860 | SEOB1668 | |

Figure 6A – Continued

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|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 204. PRO1574 (mitochondrial proteolipid 68MP homolog (PLPM) AF116639.1 24 | | | | | | | |
| hfc7596 | MIOA5789a | miob3767 | ncrb1731 | ncrb8732 | ncrc2887 | SEOA2669 | SEOA9889 |
| hfc8228 | MIOA7530a | ncr1800 | ncrb3385 | ncrb8804 | ncrc4114 | SEOA8959 | SEOB3189 |
| MIOA5119a | miob1709 | ncr7075 | ncrb8564 | ncrc0591 | ncrc6126 | SEOA9152 | seob7484 |
| 205. heat shock 10kD protein 1 (chaperonin 10) (HSPE1) NM_002157.1 23 | | | | | | | |
| hfc0849 | MIOA8715 | ncr1936 | ncr7291 | ncrb6032 | ncrc0562 | ncrc5738 | SEOA9736 |
| MIOA4426 | miob6448 | ncr3918 | ncr8776 | ncrb7226 | ncrc3725 | SEOA4169a | SEOA9810 |
| MIOA5027a | miob6849 | ncr6389 | ncr9129 | ncrc0385 | ncrc4367 | SEOA5293a | |
| 206. complement factor H (=M17517) Y00716 23 | | | | | | | |
| FCR4832 | MIOA0268 | MIOA3751a | MIOA5795a | MIOA6523a | MIOB2080 | ncrb3127 | SEOA7182a |
| hfc9180 | MIOA1338a | MIOA4422 | MIOA6210a | MIOA7036a | miob6954 | SEOA4625a | seob5601 |
| MIOA0119 | MIOA2593a | MIOA4760 | MIOA6504a | miob0465 | ncr1717 | SEOA5210 | |
| 207. osteomodulin (OMD) AB000114 23 | | | | | | | |
| MIOA0354a | MIOB2092 | ncr1977 | ncrc2907 | SEOA0231a | SEOA3175 | SEOA9350 | seob4656 |
| MIOA1786 | miob3604 | ncr6381 | ncrc3306 | SEOA0543 | SEOA6000a | SEOB0124 | seob5948 |
| mioa9359 | miob5648 | ncrb5344 | ncrc9155 | SEOA2850 | SEOA6326 | SEOB3371 | |
| 208. epithelial membrane protein 1 (EMP1) NM_001423.1 23 | | | | | | | |
| fcrb1575 | MIOA6635a | miob6959 | ncr8852 | ncrc3465 | SEOA8938 | SEOB1113 | seob6076 |
| MIOA3084a | miob6115 | ncr3553 | ncr9096 | ncrc6606 | SEOA8975 | seob4601 | seob8242 |
| MIOA5409a | miob6841 | ncr8411 | ncrb8696 | SEOA8921 | SEOA9898 | seob4700 | |
| 209. Tigger1 transposable elementU49973.1 23 | | | | | | | |
| fcrb2008 | hfc6044 | MIOA8111 | miob4669 | ncr3032 | ncrb0232 | ncrb4921 | SEOA8852 |
| hfc0614 | hfc7546 | MIOA8290 | miob4745 | ncr6734 | ncrb0808 | ncrc4958 | seob6206 |
| hfc2710 | MIOA5828a | miob0416 | miob6698 | ncr6987 | ncrb1667 | SEOA3305n | |
| 210. cysteine dioxygenase D85777 23 | | | | | | | |
| MIOA0195a | MIOA4821a | miob0071 | miob5761 | SEOA2214a | SEOA7654a | seob2304 | soa0201n |
| MIOA2134 | MIOA8805 | miob4020 | ncrb8177 | SEOA3925 | SEOA9033 | SEOB3014 | SOA0410 |
| MIOA3970a | MIOA8962 | miob4369 | SEOA2134n | seoa4989a | SEOB0531 | seob6410 | |
| 211. "dynein light chain 1 (hdic1), cytoplasmic "U32944 23 | | | | | | | |
| FCR0542 | hfc3684 | MIOA6833a | ncr0145 | SEOA1538 | SEOA6929 | SEOB0528 | seob5404 |
| FCR1927 | hfc9720 | MIOA8088 | ncr0335 | SEOA3233n | SEOA8475 | SEOB2930 | seob7115 |
| hfc2994 | MIOA5621a | MIOB2124 | ncr5291 | SEOA3990a | SEOA9908 | SEOB3039 | |
| 212. calcyclin (=M14300 growth factor-inducible 2A9 gene; U04815 protein kinase PITSLRE alpha 1) J02763 23 | | | | | | | |
| BFCN0266 | FCR3266 | hfc0549 | hfc9646 | mioa9484 | seoa0499m | SEOB0404 | seob5777 |
| FCR2682N | FCR7261 | hfc2989 | MIOA0241a | miob4760 | SEOA6019a | SEOB3005 | seob6245 |
| fcr2707nn | fcrb2291 | hfc8585 | MIOA3629a | ncrb8392 | SEOA6602a | seob4422 | |

Figure 6A – Continued

| | | | | | | | |
|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 213. "ATP synthase, H transporting, mitochondrial F1F0, subunit g (ATP5JG) "NM_006476.1 | | | | | | | 22 |
| hfc1106 | hfc4146 | hfc6665 | MIOA6623a | miob3488 | SEOA7914a | SEOB1735 | seob4756 |
| hfc1422 | hfc4813 | MIOA4199 | mioa9607 | miob4355 | SEOA8703 | seob2546 | |
| hfc2824 | hfc6411 | MIOA5537a | miob2901 | ncrb0646 | SEOA9262 | SEOB3378 | |
| 214. ribosomal protein L29 (RPL29) NM_000992.1 | | | | | | | 22 |
| FCR0573 | FCR4283 | FCR6213 | fcrb1988 | hfc2344 | hfc3725 | hfc5412 | ncrc4861 |
| FCR1943 | FCR4621 | fcrb0120 | hfc1238 | hfc2685 | hfc3998 | hfc8774 | |
| FCR2165 | FCR5144 | fcrb1453 | hfc2078 | hfc3628 | hfc4807 | hfc8880 | |
| 215. FK506 binding protein (Fkbp63) AF090334 | | | | | | | 22 |
| BFC50239n | HFCR3187 | hfc7300 | miob5901 | ncr3908 | ncrc8932 | SEOA3186 | SEOB0535 |
| FCR3766 | hfc3635 | hfc7652 | ncr1683 | ncrb3895 | SEOA0060 | SEOA7212a | |
| hfc1081 | hfc6473 | miob3395 | ncr3509 | ncrb8050 | SEOA2451a | seoa8139 | |
| 216. "COX17 (yeast) homolog, cytochrome c oxidase assembly protein (COX17) "NM_005694.1 | | | | | | | 22 |
| MIOA1516 | MIOA7047a | miob3231 | ncr3734 | ncrc5288 | SEOA3778a | seob6143 | seob8233 |
| MIOA2552a | miob1691 | miob3891 | ncrb4552 | SEOA2090 | SEOA7353a | seob7007 | |
| MIOA3919a | MIOB2780 | ncr2477 | ncrc3007 | SEOA3356a | seob4044 | seob7216 | |
| 217. ribosomal protein S14 (RPS14)NM_005617.1 | | | | | | | 22 |
| FCR1450 | FCR6568 | fcrb1640 | fcrb1981 | fcrb2703 | hfc2937 | hfc6878 | seob5769 |
| FCR1713 | fcrb0095 | fcrb1762 | fcrb2106 | hfc1067 | hfc2976 | hfc6913 | |
| FCR3327 | fcrb1416 | fcrb1885 | fcrb2377 | hfc1715 | HFCR3137 | hfc9478 | |
| 218. ribosomal protein S16 M60854 | | | | | | | 22 |
| BFCW0608 | FCR2712 | FCR5077 | hfc0419 | hfc6722 | ncr9119 | SEOA8395a | seob7712 |
| FCR0847 | FCR4344 | FCR7154 | hfc1776 | hfc8278 | ncrb5496 | SEOB1004 | |
| FCR2152 | FCR4741 | fcrb1862 | HFCR3162 | MIOA0486 | SEOA0306 | seob5377 | |
| 219. "solute carrier family 25 (mitochondrial carrier; phosphate carrier), member 3 (SLC25A3), nuclear gene encoding mitochondrial protein, transcript variant 1a "NM_005888.1 | | | | | | | 22 |
| FCR0455 | fcrb2051 | MIOA0461 | MIOA2971a | ncrb1209 | SEOA1834a | SEOB1025 | seob7440 |
| fcrb0300 | hfc0505 | MIOA0848a | ncr0578 | ncrc0960 | SEOA3767a | seob4294 | |
| fcrb1691 | hfc7380 | MIOA2343a | ncr4835 | SEOA0388 | SEOA9750 | seob4294 | |
| 220. "aggreCAN (chondroitin sulfate proteoglycan 1, large aggregating proteoglycan antigen identified by monoclonal antibody A0122) (AGC1) "U13613 | | | | | | | 22 |
| bfc0134n | FCR4395N | fcrb2217 | fcr6665 | hfc6741 | MIOA0921a | ncr9383 | SEOB2211 |
| FCR1127 | fcr5224n | fcr7424 | hfc0426 | hfc8607 | miob1933 | seoa6856 | |
| FCR2313N | fcrb1563 | fcr0720 | hfc1175 | MIOA0902a | miob5696 | SEOA8635 | |
| 221. BIP protein X87949 | | | | | | | 22 |
| BFCW0020 | FCR6873 | MIOA0993n | MIOA6485a | ncrc9567 | SEOA7235a | seob6439 | SOA0641 |
| FCR2990 | hfc9400 | MIOA4836a | miob5638 | SEOA4706a | SEOB1191 | SOA0248 | |
| FCR3699 | MIOA0184 | MIOA5602a | ncrb6663 | SEOA5429 | SEOB2198 | SOA0520 | |

Figure 6A – Continued

| | | | | | | |
|--|-----------|-----------|-----------|-----------|-----------|-----------|
| 222. 78 kD glucose-regulated protein (GRP78) gene (=BiP protein) M19645.1 | | | | | | |
| | | | | | | 22 |
| SEOB1191 | FCR3699 | MIOA0993n | MIOA6485a | ncrc9567 | SEOA7235a | seob6439 |
| BFCW0020 | FCR6873 | MIOA4836a | miob5638 | SEOA4706a | SEOB1191 | SOA0248 |
| FCR2990 | MIOA0184 | MIOA5602a | ncrb6663 | SEOA5429 | SEOB2198 | SOA0520 |
| | | | | | | SOA0641 |
| 223. ahemoglobin beta chain (HBB) AF117710 | | | | | | |
| | | | | | | 21 |
| MIOA6356 | mioa7836a | miob1935 | MIOB2613 | miob4001 | miob6419 | ncrc6171 |
| mioa7692a | MIOA8958 | MIOB2211 | miob3322 | miob4427 | ncr5086 | ncrc9190 |
| mioa7733a | mioa9436 | miob2426 | miob3859 | miob5029 | ncrc2568 | SEOA9720 |
| | | | | | | |
| 224. cytochrome c oxidase subunit I D38112 | | | | | | |
| | | | | | | 21 |
| mioa9557 | ncr5160 | ncr6200 | ncrb0843 | ncrc1806 | ncrc2704 | ncrc5673 |
| ncr1513 | ncr5237 | ncr6277 | ncrb2257 | ncrc1856 | ncrc3916 | ncrc5998 |
| ncr1671 | ncr5312 | ncrb0153 | ncrb3402 | ncrc2306 | ncrc5324 | ncrc9235 |
| | | | | | | |
| 225. "tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, beta polypeptide (YWHAB) "NM_003404.1 | | | | | | |
| | | | | | | 21 |
| hfc1164 | hfc17957 | miob3075 | ncrb1953 | SEOA3467a | SEOA9524 | seob5521 |
| hfc2237 | MIOA2773a | miob6592 | ncrb2474 | SEOA6921 | SEOB1575 | seob6061 |
| hfc6130 | mioa9884 | ncr2931 | ncrb8416 | SEOA9172 | seob5336 | seob6736 |
| | | | | | | |
| 226. selenoprotein P (SEPP1) Z11793 | | | | | | |
| | | | | | | 21 |
| FCR1239N | miob0874 | ncr6677 | ncrb3990 | ncrb5409 | ncrc6601 | SEOB3097 |
| MIOA3765 | miob6077 | ncr6719 | ncrb5024 | ncrb8533 | SEOA5303a | seob4529 |
| MIOA9063 | miob6603 | ncr7684 | ncrb5150 | ncrc1905 | SEOB1638 | seob5258 |
| | | | | | | |
| 227. elongation factor 2 X51466 | | | | | | |
| | | | | | | 21 |
| FCR0541 | hfc10567 | hfc10826 | hfc1278 | hfc1398 | hfc17857 | SEOA7232a |
| FCR3401 | hfc10694 | hfc10902 | hfc1289 | hfc1839 | ncrb8651 | SEOA9872 |
| fcrb0110 | hfc10784 | hfc1054 | hfc1381 | hfc2883 | SEOA6111a | seob5420 |
| | | | | | | |
| 228. ribosomal protein L14 D87735 | | | | | | |
| | | | | | | 21 |
| FCR0588 | FCR2867 | fcrb1773 | hfc15126 | MIOA2213a | ncrb1232 | SEOA5649a |
| FCR1063 | FCR5950 | hfc10039 | hfc18481 | miob4776 | ncrb4600 | SEOB3181 |
| FCR2292 | fcrb0678 | hfc10916 | hfc19518 | ncr5981 | ncrc3516 | seob4814 |
| | | | | | | |
| 229. endozepine (putative ligand of benzodiazepine receptor) M15887.1 | | | | | | |
| | | | | | | 21 |
| FCR6055 | MIOA1373a | miob4979 | SEOA2143 | SEOA4245a | SEOB0636a | SEOB3186 |
| hfc19680 | miob3364 | miob6078 | SEOA2619 | SEOA4414a | SEOB0663a | seob5216 |
| MIOA0366a | miob4000 | ncrc5539 | SEOA4241a | SEOA9139 | SEOB1155 | seob8031 |
| | | | | | | |
| 230. annexin A5 (ANXA5)(lipocortin-V) NM_001154.2 | | | | | | |
| | | | | | | 21 |
| CR0389 | fcrb1792 | hfc13472 | MIOA2775a | ncr9547 | SEOB1355 | seob4689 |
| FCR2801 | hfc10626 | hfc14133 | ncr0159 | ncrc1597 | seob4188 | seob5022 |
| fcrb1307 | hfc11308 | hfc16198 | ncr9109 | SEOA9192 | seob4563 | seob5772 |

Figure 6A - Continued

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|--|-----------|-----------|-----------|-----------|-----------|-----------|
| 231. carboxypeptidase E (CPE) NM_001873.1 21 | | | | | | |
| BFC50518 n | hfc3742 | MIOA3575a | MIOA5174a | miob3307 | ncr5368 | ncrb7082 |
| FCR2628 | hfc7473 | MIOA3803 | MIOA7336a | ncr1285 | ncrb0636 | ncrc3351 |
| FCR3543 | hfc8715 | MIOA4044a | mioa7647a | ncr2298 | ncrb1807 | ncrc6444 |
| 232. collagen type IX alpha 2 (COL9A2)M95610 21 | | | | | | |
| FCR1285 | FCR6241 | fcrb1290 | hfc3620 | hfc4045 | hfc7160 | hfc9406 |
| FCR1414 | FCR6756 | hfc0514 | hfc3854 | hfc5785 | hfc8956 | hfc9802 |
| FCR2909 | FCR6896 | hfc0934 | hfc3899 | hfc6100 | hfc9314 | hfc9996 |
| 233. "myosin, light polypeptide, regulatory, non-sarcomeric (20kD) (MLCB), mRNA /cds=(114,629) /gb=NM_006471 /gi=5453739 /ug=Hs.233936 /len=944 "Hs.233936 21 | | | | | | |
| mioa7900 | hfc2522 | SEOA9233 | SEOB3012 | seob6598 | ncrb6190 | ncrb2432 |
| hfc7533 | miob6293 | SEOB0111 | SEOB3446 | seob6451 | ncr6205 | ncrc2080 |
| miob5703 | ncr2458 | SEOB0158 | seob5327 | MIOA5293a | ncrb0121 | ncrb7585 |
| 234. "SPARC-like 1 (mast9, hev1) (SPARCL1) "NM_004684.1 20 | | | | | | |
| FCR4684 | MIOA1623a | MIOA5622a | mioa7823a | miob0199 | miob4596 | ncr8176 |
| FCR4925 | MIOA2531a | MIOA7114a | MIOA8601 | miob0741 | miob4758 | ncrb1381 |
| mioa0506m | MIOA2956a | mioa7801a | mioa9518 | MIOB1533 | miob6099 | |
| 235. Cyr61 protein (CYR61) AF031385 20 | | | | | | |
| FCR0376 | hfc4053 | MIOA0204a | ncr2826 | ncr4768 | ncrb4955 | seob4290 |
| FCR3098 | hfc6724 | mioa9610 | ncr3592 | ncr6596 | SEOA2064 | seob6374 |
| hfc0698 | hfc8231 | miob0984 | ncr4657 | ncr7021 | seo2174n | |
| 236. fibrillin (FBN1) X63556 20 | | | | | | |
| FCR0536 | hfc3862 | miob0305 | SEOA1616a | SEOA6029a | SEOA9528 | seob4500 |
| fcrb1405 | MIOA6423a | ncr5829 | SEOA4360a | SEOA6329 | SEOB0326 | seob7945 |
| HFCR3251 | MIOA8116 | ncrc1139 | SEOA5726a | SEOA6685a | SEOB2045 | |
| 237. trophoblast STAT utron AF080092.1 20 | | | | | | |
| MIOA7331 | miob4433 | ncr1959 | ncr5430 | ncrb0834 | ncrc9007 | SEOA1385 |
| miob0900 | ncr0143 | ncr2007 | ncr5755 | ncrb8551 | ncrc9086 | SEOA3624a |
| miob3148 | ncr0474 | ncr3909 | ncr6114 | ncrc1918 | SEOA1159A | |
| 238. prefoldin 5 (PFDN5) (=D89667 c-myc binding protein) NP_002615.1 19 | | | | | | |
| ncrc3920 | HFCR3231 | MIOB2548 | ncr7891 | ncrc5915 | SEOA2441a | SEOA6317 |
| ncrc4212 | MIOA0285 | ncr1203 | ncrb6696 | ncrc9784 | SEOA3733a | SEOA6606a |
| BFC50038 | MIOA3684a | ncr2756 | ncrc3442 | SEOA1768a | SEOA3736a | SEOA7409a |
| hfc2511 | MIOA5082a | ncr4406 | ncrc4703 | SEOA1952 | SEOA5488a | SEOA9507 |
| 239. cytochrome c oxidase subunit VIIc (COX7C) NM_001867.1 19 | | | | | | |
| fcrb0703 | MIOA7077a | MIOB2553 | ncr2262 | seo8046 | SEOB2757 | seob7929 |
| hfc2767 | MIOA8045a | miob3919 | ncr3535 | SEOB1795 | seob4679 | |
| MIOA6336a | miob1124 | miob4390 | ncr8299 | SEOB2074 | seob6809 | |

Figure 6A – Continued

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|---|-----------|-----------|-----------|-----------|-----------|-----------|
| 240. ring-box 1 (RBX1) NM_014248.1 19 | | | | | | |
| hfc9741 | ncr7182 | ncrc0846 | SEOA2841 | seoa7029 | SEOB3400 | seob7903 |
| MIOA7103a | ncrb0730 | ncrc6763 | SEOA3916 | SEOB0379 | seob5126 | |
| miob5797 | ncrb2922 | SEOA2285a | SEOA5565a | SEOB1893 | seob6556 | |
| 241. epididymal seCRetory protein (19.5kD) (HE1) gi5453677 19 | | | | | | |
| MIOA0315 | MIOA3972a | ncr1619 | ncrb7171 | SEOA0033 | SEOA8558 | seob5649 |
| MIOA1660a | miob0723 | ncr8507 | ncrc0133 | SEOA7093a | SEOA9671 | |
| MIOA1758 | miob6136 | ncrb3560 | ncrc2560 | SEOA8376a | SEOB1325 | |
| 242. "SRY (sex-determining region Y)-box 9 (campomelic dysplasia, autosomal sex-reversal)(SOX9) "NM_000346.1 19 | | | | | | |
| FCR1905 | hfc9790 | ncr6764 | ncrb2414 | ncrb4773 | ncrb5638 | SEOB2779 |
| FCR6688 | ncr0625 | ncr8239 | ncrb2644 | ncrb5147 | ncrc3855 | |
| hfc2908 | ncr5236 | ncrb2208 | ncrb3987 | ncrb5282 | SEOA8195a | |
| 243. "H4 histone family, member G (H4FG) "NM_003542.2 19 | | | | | | |
| MIOA9170 | ncr6094 | SEOA5568a | SEOA7082a | SEOB1090 | SEOB3130 | seob6900 |
| miob0857 | ncrb1291 | SEOA5660a | SEOA7389a | SEOB2050 | seob4681 | |
| miob5495 | SEOA5507a | SEOA6503a | SEOA9985 | SEOB2123 | seob6187 | |
| 244. napolipoprotein D (APOD) J02611 19 | | | | | | |
| MIOA0776 | ncr6928 | ncr9773 | ncrb5196 | ncrc0513 | ncrc3594 | ncrc9722 |
| MIOA2245a | ncr8230 | ncrb0351 | ncrb6142 | ncrc1596 | ncrc4933 | |
| ncr6167 | ncr9616 | ncrb3441 | ncrb7993 | ncrc2712 | ncrc9460 | |
| 245. cathepsin K (pseudosyndactylism)(CTSK) NM_000396.1 19 | | | | | | |
| FCR0846 | hfc3721 | miob0063 | ncr3385 | ncr9593 | seoa4917a | seob7135 |
| hfc1240 | hfc7982 | miob1956 | ncr5507 | SEOA1363 | SEOB0338 | |
| hfc1303 | MIOA8053a | ncr0609 | ncr7917 | SEOA2426a | seob4495 | |
| 246. peptidylglycine alpha-amidating monooxygenase (PAM)M37721 19 | | | | | | |
| FCR1299 | MIOA1371a | MIOA8844 | ncr5383 | ncrb3340 | SEOA7527a | seob6023 |
| hfc9244 | mioa7935 | mioa9405 | ncr9348 | ncrb3847 | SEOA9853 | |
| MIOA0802 | MIOA8058a | MIOB0550 | ncrb0263 | SEOA2063 | SEOB1126 | |
| 247. zinc finger protein 216 (ZNF216) AF062072.1 19 | | | | | | |
| FCR4966 | MIOA0085a | MIOA8929 | ncr5542 | ncrb3469 | ncrc1801 | SEOA6627a |
| hfc6024 | MIOA3342a | ncr0596 | ncr8484 | ncrb5243 | ncrc3922 | |
| hfc6463 | MIOA8599 | ncr1289 | ncrb2097 | ncrb6726 | SEOA2421a | |
| 248. heterogeneous nuclear ribonucleoprotein D-like (HNRPDL) NM_005463.1 19 | | | | | | |
| FCR0349 | hfc6195 | MIOA7607a | ncr8367 | ncrc9060 | seoa8070 | SOA0579 |
| fcrb1968 | MIOA3018a | MIOA8315 | ncrb5972 | SEOA0540n | SEOA8947 | |
| fcrb2164 | MIOA6588a | miob2461 | ncrc0346 | SEOA1306a | SEOB2030 | |

Figure 6A – Continued

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|--|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------|--|
| 249. chondromodulin I precursor (CHM-I) NM_007015.1 | | | | | | 19 | | | |
| FCR4903 | fcrb0019 | fcrb2504 | HFCR2380 | hfcf5057 | ncr5210 | ncrc0531 | | | |
| FCR5145 | fcrb0716 | fcrb2619 | hfcf3051 | hfcf6914 | ncrb2479 | | | | |
| FCR5420 | fcrb1265 | hfcf0292 | hfcf3778 | hfcf8401 | ncrb8252 | | | | |
| 250. osteoclastogenesis inhibitory factor AB008822 | | | | | | 19 | | | |
| FCR0188 | MIOA1502 | MIOA6530a | miob5658 | SEOA5973a | SEOB0230 | SOA0365 | | | |
| FCR1309 | MIOA2604a | MIOA8215 | SEOA3102a | SEOA6128a | SEOB3364 | | | | |
| MIOA1441 | MIOA4918a | MIOB1527 | SEOA5403 | SEOA9619 | seob7546 | | | | |
| 251. enolase 1 (alpha) (ENO1) NM_001428.1 | | | | | | 19 | | | |
| CR0911 | FCR4596 | fcrb0365 | hfcf2664 | hfcf6373 | hfcf8541 | seob8321 | | | |
| FCR0019n | FCR5921 | hfcf0380 | hfcf2782 | hfcf7782 | MIOB1555 | | | | |
| FCR0298 | FCR7060 | hfcf2330 | hfcf5091 | hfcf8490 | SEOA0829 | | | | |
| 252. v-fos FBJ murine osteosarcoma viral oncogene homolog (FOS) NM_005252.2 | | | | | | 19 | | | |
| FCR6019 | hfcf0182 | hfcf1921 | hfcf4101 | MIOA6738a | ncr4153 | seob4446 | | | |
| fcrb0420 | hfcf1401 | hfcf2044 | hfcf8479 | ncr0168 | ncr6045 | | | | |
| fcrb2098 | hfcf1909 | hfcf3964 | hfcf8828 | ncr2021 | ncrb1996 | | | | |
| 253. npalladin (KIAA0992)= CGI-151 NM_016081.1 | | | | | | 19 | | | |
| BFC50088 | MIOA6104a | ncr8677 | ncrc3268 | SEOA3392a | SEOB1185 | seob7471 | | | |
| FCR7367 | miob6323 | ncrc1607 | ncrc4684 | SEOA5310a | SEOB1866 | | | | |
| FCR7425 | ncr5146 | ncrc3233 | ncrc9805 | SEOA8733 | seob5235 | | | | |
| 254. heterogeneous nuclear ribonucleoprotein D (hnRNP D) (52% aa) D55671 | | | | | | 19 | | | |
| FCR0349 | hfcf6195 | MIOA7607a | ncr8367 | ncrc9060 | seoa8070 | SOA0579 | | | |
| fcrb1968 | MIOA3018a | MIOA8315 | ncrb5972 | SEOA0540n | SEOA8947 | | | | |
| fcrb2164 | MIOA6588a | miob2461 | ncrc0346 | SEOA1306a | SEOB2030 | | | | |
| 255. "procollagen-lysine, 2-oxoglutarate 5-dioxygenase (lysine hydroxylase) 2 (PLOD2), mRNA /cds=(0,2213) /gb=NM_000935 /gi=4505888 /ug=Hs.41270 /len=3503 "Hs.41270 | | | | | | 19 | | | |
| seoa7848a | MIOA5244a | miob2475 | ncrb4358 | ncrc8982 | seob5353 | seob7512 | | | |
| FCR5085 | mioa5668n | ncr0800 | ncrb6691 | ncrc9078 | seob5515 | | | | |
| hfcf7472 | miob0240 | ncrb0840 | ncrb7447 | seoa3271n | seob7196 | | | | |
| 256. lysyl oxidase U22384 | | | | | | 18 | | | |
| FCR0075 | FCR4305 | FCR6562 | ncr6188 | ncrb5595 | ncrc5297 | SEOA3215 | SEOA5558a | SEOB3011 | |
| FCR1083 | FCR6194 | hfcf1263 | ncrb1782 | ncrc0112 | SEOA2308a | SEOA4881a | SEOA7614a | seob3897 | |
| 257. "gap junction protein, alpha 1, 43kD (connexin 43) (GJA1) "NM_000165.2 | | | | | | 18 | | | |
| hfcf0652 | SEOA3820a | seoa8138 | SEOA9241 | SEOA9956 | SEOB2984 | SEOB3553 | seob5082 | seob5785 | |
| miob1760 | SEOA4172a | SEOA9143 | SEOA9704 | SEOB1628 | SEOB3096 | seob4441 | seob5646 | seob7105 | |
| 258. procollagen C-endopeptidase enhancer 2 (PCOLCE2) NM_013363.1 | | | | | | 18 | | | |
| hfcf3052 | miob2361 | miob3749 | miob5783 | miob5895 | miob6487 | ncr0460 | ncr0701 | ncr1138 | |

Figure 6A – Continued

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|---|-------------------------------|--------------------------------|----------------------------------|-----------------------------------|----------------------------------|------------------------|-----------------------|----------------------|
| ncr3217 ncr4147 | ncrb1431 ncrb5289 | ncrc0492 ncrc2260 | ncrc2682 ncrc3581 | ncrc4233 SEOB0301 | seob6080 | | | |
| 259. NADH dehydrogenase subunit 4L (RefSeq aa 2e-45) gi5835396 | | | | | | 18 | | |
| miob0758 ncr1256 | ncr2398 ncr2629 | ncr5195 ncr6047 | ncr6331 ncr6746 | ncr7396 ncr7857 | ncr8017 ncr8689 | ncr9504 SEOA4187a | SEOA4736a SEOA9155 | seob4470 seob5245 |
| 260. ubiquinol-cytochrome c reductase complex (7.2 kD); hypothetical protein (RefSeq aa 2e-35) NP_037519.1 | | | | | | | 18 | |
| hfc0609 hfc0838 | MIOA2704a MIOA4796a | MIOA6363a mioa9209 | miob5470 miob6022 | miob6447 miob7000 | ncr0944 ncr0944 | ncrb4771 ncrb6632 | SEOA6131a SEOA6887 | SEOA8957 seob4118 |
| 261. "ATPase, H transporting, lysosomal (vacuolar proton pump) 9kD (ATP6H) "NM_003945.1 | | | | | | | 18 | |
| hfc0829 miob0432 | miob1893 ncr0721 | ncr1895 ncr4666 | ncr5109 ncr5336 | ncrb4794 ncrb8543 | ncrb8752 ncrc2468 | SEOA2943a SEOA9395 | SEOB3421 seob6087 | seob6416 seob8163 |
| 262. "ATP synthase, H transporting, mitochondrial F1 complex, gamma polypeptide 1 (ATP5C1), nuclear gene encoding mitochondrial protein "NM_005174.1 | | | | | | | 18 | |
| fcr3713n hfc0129 | hfc1342 hfc5961 | hfc8370 miob0415 | miob2511 miob2532 | miob6644 ncr3316 | ncr5416 seoa7812a | seoa7869a SEOA9407 | SEOB3093 seob4381 | seob4691 seob5796 |
| 263. muscleblind (Drosophila)-like (MBNL) (=KIAA0428) NM_021038.1 | | | | | | | 18 | |
| fcr3551n MIOA5519a | MIOA7495a miob3391 | ncr5842 ncr7192 | ncr7810 ncrb4376 | ncrc5239 ncrc5360 | ncrc6988 SEOA4831a | SEOA5291a SEOA5405 | SEOB3429 SEOB3461 | seob4642 seob5624 |
| 264. calumein (Calu) (calumenin)AF013759 | | | | | | | 18 | |
| BFCS0330 FCR1055 | FCR2755 FCR7247 | FCR7741 hfc7784 | hfc8986 hfc9617 | MIOA7436a miob1855 | ncr3808 ncrb0525 | SEOA1979a SEOA2459a | seoa6958 SEOA9115 | SEOB1418 seob7098 |
| 265. "ATP synthase, H transporting, mitochondrial F1 complex, alpha subunit, isoform 1, cardiac muscle (ATP5A1)(ORF) "NM_004046.1 | | | | | | | 18 | |
| fcr3713n hfc0129 | hfc1342 hfc5961 | hfc8370 miob0415 | miob2511 miob2532 | miob6644 ncr3316 | ncr5416 seoa7812a | seoa7869a SEOA9407 | SEOB3093 seob4381 | seob4691 seob5796 |
| 266. "guanine nucleotide binding protein (G protein), alpha stimulating activity polypeptide 1 (GNAS1) "NM_000516.2 | | | | | | | 18 | |
| FCR3053 fcrb0564 | fcrb2083 hfc2856 | hfc4208 hfc6873 | hfc7607 MIOA3737a | ncr1206 ncrb2324 | ncrb7659 ncrc1538 | ncrc2720 ncrc3312 | ncrc4566 SEOA9802 | seob7982 |
| 267. vacuolar H-ATPase subunit AF038954 | | | | | | | 18 | |
| hfc0829 miob0432 miob1893 | ncr0721 ncr1895 ncr4666 | ncr5109 ncr5336 ncrb4794 | ncrb8543 ncrb8752 ncrc2468 | SEOA2051 SEOA2943a SEOA9395 | SEOB3421 seob6087 seob6416 | seob8163 | | |
| 268. ribosomal protein 40S S27 isoform (RefSeq aa 4e-35) NP_057004.1 | | | | | | | 18 | |
| ncrb6528 ncrb7612 | ncrc6387 SEOA6886 | SEOA8460 SEOA9136 | SEOA9785 SEOB0001 | SEOB0036 SEOB0673a | SEOB1474 SEOB2119 | seob4313 seob4515 | seob4920 seob5725 | seob6633 seob7523 |

Figure 6A - Continued

| | | | | | | | | |
|--|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 269. elongation factor 1 beta 2 (EEF1B2) NM_001959.1 17 | | | | | | | | |
| fcrb2491 | hfc3025 | hfc4760 | hfc7692 | hfc8590 | miob0246 | miob3475 | ncrb3376 | seob7649 |
| hfc1189 | hfc3763 | hfc6701 | hfc8402 | hfc9638 | miob2369n | ncr8579 | seoa8006 | |
| 270. "laminin receptor 1 (67kD, ribosomal protein SA) (LAMR1)(ORF) "NM_002295.1 17 | | | | | | | | |
| ncrc4969 | FCR1495N | FCR4902 | FCR7681 | hfc6507 | MIOA6326a | ncr9496 | ncrc3364 | ncrc9393 |
| ncrc5164 | FCR2185 | FCR5901 | hfc1668 | hfc8736 | ncr1113 | ncrb3108 | ncrc4771 | seob7177 |
| BFCW0145 | FCR3371 | FCR5915 | hfc2624 | MIOA4639a | ncr8688 | ncrc1245 | ncrc9228 | |
| 271. B-cell translocation protein 1 (BTG1) X61123 17 | | | | | | | | |
| FCR0133 | hfc8744 | hfc9921 | miob2453 | ncr4646 | ncr7707 | SEOA1596a | SEOA5117a | SEOA9922 |
| FCR2140 | hfc8750 | MIOA0540 | ncr3177 | ncr7449 | ncrb0570 | seoa4915a | SEOA5446 | |
| 272. NADH dehydrogenase(ubiquinone) Fe-S protein 5 (15kD) (NADH-coenzyme Q reductase) (=NADH-ubiquinone oxidoreductase 15kDa subunit) NM_004552.1 17 | | | | | | | | |
| fcrb2760 | hfc8032 | mioa8199n | miob6599 | ncr4178 | ncrb7952 | ncrc5316 | ncrc5993 | SEOB0089 |
| hfc6789 | hfc9535 | miob5856 | ncr1939 | ncrb3188 | ncrb8297 | ncrc5464 | seoa2647n | |
| 273. dolichyl-phosphate beta-glucosyltransferase (ALG5) AF102850.1 17 | | | | | | | | |
| hfc0014 | hfc0361 | hfc0953 | hfc3751 | hfc4103 | hfc4214 | hfc5450 | ncr9289 | seob5972 |
| hfc0255 | hfc0928 | hfc3678 | hfc3855 | hfc4119 | hfc4335 | MIOA1571 | seob5213 | |
| 274. frizzled-related protein (FRZB) NM_001463.1 17 | | | | | | | | |
| FCR6733 | hfc6164 | miob5102 | ncr5454 | ncrb0850 | ncrc2191 | ncrc6735 | SEOA5370 | seob6242 |
| fcrb2499 | MIOA1933a | ncr2136 | ncr6741 | ncrb5140 | ncrc4940 | seoa0985m | SEOA9209 | |
| 275. pp21 homolog AF125535.1 17 | | | | | | | | |
| hfc3933 | MIOB2177 | MIOB2642 | seoa8154 | SEOB0937 | seob5137 | seob5702 | seob6734 | seob8221 |
| miob0126 | MIOB2183 | SEOA1316n | SEOA9831 | SEOB2103 | seob5539 | seob6207 | seob6739 | |
| 276. neuroendocrine-specific protein C like (foocen) (NSP-CL) reticulon 4 (RTN4) NM_007008.1 17 | | | | | | | | |
| FCR5928 | MIOA2571a | miob0141 | ncr2958 | ncrc8861 | SEOA9400 | seob2312 | seob7329 | SOA0713 |
| MIOA2235a | MIOA4035a | miob5644 | ncrb6109 | SEOA2505 | SEOB1319 | seob5009 | seob7385 | |
| 277. testis enhanced gene transCRipt protein (TEGT) AF033095 17 | | | | | | | | |
| FCR0759 | hfc0912 | mioa0788m | MIOA1902a | ncr2465 | ncr6541 | ncr8033 | SEOA5426 | SEOA8310a |
| FCR6541 | hfc8932 | MIOA0974 | mioa6645a | ncr2660 | ncr7129 | ncrc1631 | SEOA6697a | |
| 278. SOD-2 manganese superoxide dismutase X65965 17 | | | | | | | | |
| hfc8900 | miob0135 | miob2977 | ncr3482 | ncrc3509 | ncrc5440 | SEOA2919a | SEOB0163 | SOA0427 |
| MIOA7395a | miob2966 | ncr3211 | ncrb6672 | ncrc3605 | ncrc7024 | SEOA4477a | seob4553 | |
| 279. decay-accelerating factor M31516 17 | | | | | | | | |
| MIOA0577a | MIOA2185a | miob2364 | miob3564 | ncrc6575 | ncrc9345 | seoa3258m | SEOB2262 | seob4465 |
| MIOA0749 | miob0899 | miob3451 | ncrc4814 | ncrc9272 | SEOA0895 | SEOB0188 | SEOB2714 | |

Figure 6A – Continued

| | | | | | | | |
|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 291. hairy (Drosophila)-homolog (HRY) NM_005524.2 16 | | | | | | | |
| MIOA9166 | miob5836 | ncr1833 | ncr2996 | ncrb0718 | ncrb6955 | ncrc4471 | SEOA7953a |
| miob4995 | ncr0183 | ncr1901 | ncr3851 | ncrb5702 | ncrc2027 | ncrc9249 | SEOA9097 |
| 292. rapa-2 (rapa gene) AJ277276.1 16 | | | | | | | |
| fcrb0345 | hfc0003 | hfc0393 | hfc3389 | hfc4659 | hfc6214 | hfc6779 | hfc6906 |
| fcrb1056 | hfc0385 | hfc3369 | hfc3871 | hfc5122 | hfc6317 | hfc6903 | hfc7346 |
| 293. "deiodinase, lodothyronine, type II (DIO2), transCRipt variant 1 "gl7549802 16 | | | | | | | |
| miob6287 | ncr1345 | ncr7253 | ncrb2028 | ncrb2772 | ncrb6654 | ncrc3049 | ncrc8891 |
| ncr0902 | ncr1627 | ncrb1228 | ncrb2058 | ncrb4789 | ncrb7188 | ncrc3877 | SEOB1268 |
| 294. ADP-ribosylation factor 4 (ARF4) AF104238.1 16 | | | | | | | |
| MIOA0013a | miob4316 | ncr8452 | ncrb3973 | ncrc1496 | SEOA5652a | SEOA7343a | seob4251 |
| MIOA6439a | ncr5196 | ncrb0810 | ncrb4061 | SEOA4281a | seoa7018 | seoa7759a | seob5745 |
| 295. KVLQT1 gene (=p150)AJ006345.1 16 | | | | | | | |
| hfc3775 | MIOA0061a | MIOA3695a | MIOA7334a | ncr4048 | ncr7137 | ncrb1701 | ncrc0505 |
| hfc9450 | MIOA2978a | MIOA5265a | miob6704 | ncr6696 | ncr8660 | ncrb7100 | seob7430 |
| 296. thrombospondin 2 (THBS2) L12350 16 | | | | | | | |
| FCR1336 | FCR3370 | hfc0291 | ncrc5883 | SEOA2455a | SEOA6905 | seoa7807a | SEOB0123 |
| FCR2141 | FCR6952 | MIOA8304 | ncrc9957 | SEOA2831n | SEOA7593a | seoa8097 | SEOB0410 |
| 297. "fatty acid binding protein 4, adipocyte (FABP4), mRNA /cds=(47,445) /gb=NM_001442 /gi=4557578 /ug=Hs.83213 /len=619 "Hs.83213 16 | | | | | | | |
| MIOA5583a | mioa7723a | mioa7892 | mioa9575 | mioa9745 | miob1199 | miob3155 | miob6651 |
| MIOA6577a | mioa7818a | mioa9547 | mioa9612 | mioa9757 | miob1343 | miob6508 | SEOA4424a |
| 298. p40 AAC51266.1 16 | | | | | | | |
| MIOA8456 | miob6410 | ncr8062 | ncrc2019 | ncrc2632 | SEOB1737 | seob4249 | seob8025 |
| mioa9960 | ncr7569 | ncrb0428 | ncrc2421 | ncrc3070 | seob3844 | seob6622 | seob8207 |
| 299. TI-227H (=tomoregulin; mitochondrial)D50525 16 | | | | | | | |
| hfc6746 | MIOA4915a | ncrb0156 | ncrb6158 | ncrb8012 | ncrc2139 | SEOA0515 | seob3601 |
| hfc7806 | ncr5437 | ncrb4149 | ncrb6360 | ncrb8434 | ncrc5677 | SEOB3502 | seob4664 |
| 300. cyclin I D50310 16 | | | | | | | |
| FCR6877 | fcrb1464 | MIOA2886a | miob0137 | ncrb0272 | ncrc3844 | SEOA5769 | seob7021 |
| fcrb0677 | fcrb2275 | MIOA9014 | ncr5249 | ncrb2704 | SEOA2837 | SEOB3183 | SOA0525 |
| 301. "S100 calcium-binding protein A10 (annexin II ligand, calpactin I, light polypeptide (p11)) (S100A10) "NM_002966.1 16 | | | | | | | |
| ncrc6127 | MIOA8130 | ncrc3807 | seob5087 | seob5292 | seob7460 | SEOA9659 | SEOA9691 |
| ncr9646 | miob0686 | SEOB2130 | seob5107 | seob5648 | seob5893 | mioa9434 | SEOA3273n |

Figure 6A – Continued

| | | | | | | | |
|--|-----------|-----------|-----------|-----------|------------|-----------|----------|
| 302. ribosomal protein L28U14969 16 | | | | | | | |
| FCR3685 | FCR5469 | hfc1824 | hfc17392 | hfc2235 | hfc9020 | fcrb0010 | hfc9872 |
| BFCN0034 | FCR7290 | hfc6942 | hfc0889 | hfc6267 | fcrb1186 | fcrb1000 | fcrb2713 |
| 303. glucocorticoid-induced GILZ AF228339 16 | | | | | | | |
| ncrb3628 | ncrc4721 | ncr9178 | hfc1866 | hfc9358 | ncrc1704 | SEOA7394a | ncrb8665 |
| ncr5693 | ncrc5763 | ncr1667 | hfc6635 | MIOA7092a | SEOA5264a | seob8258 | seob4041 |
| 304. collagen type V alpha 2 (COL5A2)M11718 15 | | | | | | | |
| hfc0692 | hfc3750 | mioa6246a | ncrb4867 | seoa4971a | seoa8393an | SEOA9535 | seob6479 |
| hfc0832 | hfc6073 | mioa9938 | SEOA4846a | seoa6419n | seoa8393an | SEOA9668 | |
| 305. "H3 histone, family 3A (H3F3A) "NM_002107.1 15 | | | | | | | |
| fcrb0728 | hfc0574 | hfc6070 | hfc8767 | ncrb3203 | ncrb8743 | seob2329 | seob6674 |
| fcrb1821 | hfc5845 | hfc6281 | hfc9782 | ncrb5790 | SEOA9693 | seob4122 | |
| 306. "neural precursor cell expressed, developmentally down-regulated 5 (NEDD5) "NM_004404.1 15 | | | | | | | |
| FCR2089 | FCR6785 | hfc0837 | MIOA0951 | mioa9366 | ncrb6204 | SEOB1151 | SOA0100 |
| FCR4924 | fcrb2635 | hfc6723 | MIOA6248a | ncrb1349 | ncrb8561 | seob5400 | |
| 307. heat shock factor binding protein 1 (HSBP1) NM_001537.1 15 | | | | | | | |
| fcrb1777 | miob5862 | ncrb4380 | SEOA4024a | SEOA6354 | SEOA8902 | SEOB2208 | seob3916 |
| MIOA1255m | ncr7470 | SEOA0509 | SEOA5851 | seoa6834 | SEOB0101 | SEOB2945 | |
| 308. glypican 3 (GPC3) (chromosome X) (=L47176 GTR2-2) L47125 15 | | | | | | | |
| FCR0107 | fcrb1848 | hfc0861 | hfc2549 | hfc4266 | hfc7490 | hfc9156 | hfc9601 |
| fcrb0751 | fcrb2136 | hfc2498 | hfc3504 | hfc5994 | hfc8374 | hfc9472 | |
| 309. translocation protein 1(TLOC1) NM_003262.1 15 | | | | | | | |
| FCR2485 | hfc9543 | MIOA5784a | miob0372n | miob7015 | ncr6289 | ncrb1747 | ncrc2675 |
| hfc3911 | MIOA3185a | MIOA6270a | miob5755 | ncr5465 | ncrb1723 | ncrb8259 | |
| 310. thrombospondin 4 (THBS4) NM_003248.1 15 | | | | | | | |
| hfc4670 | hfc6189 | MIOA2828a | miob5746 | ncr0692 | ncrb6505 | ncrb8139 | ncrc9921 |
| hfc6037 | hfc9433 | miob3329 | ncr0164 | ncr7649 | ncrb6507 | ncrc9757 | |
| 311. 6.2 kd protein AJ011007 15 | | | | | | | |
| MIOA4177 | ncr6892 | ncr8110 | ncrb1495 | ncrb6119 | ncrc1696 | ncrc4632 | ncrc6050 |
| ncr2492 | ncr7965 | ncrb0317 | ncrb2966 | ncrb6205 | ncrc3935 | ncrc5244 | |
| 312. "mannosidase, beta A, lysosomal (MANBA) gene, and ubiquitin-conjugating enzyme E2D 3 (UBE2D3) genes, complete cds "AF224669.1 15 | | | | | | | |
| fcrb2158 | hfc9522 | ncr2012 | ncr7125 | ncrb8391 | SEOA9333 | seob4910 | seob6136 |
| hfc9008 | miob6641 | ncr5211 | ncrb6794 | ncrc9207 | SEOB0295 | seob5524 | |

Figure 6A – Continued

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|--|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 313. ubiquitin-like 1 (sentrin) (UBL1) (=SUMO-1)NM_003352.1 | | | | | | | |
| | | | | | | | 15 |
| fcrb2299 | MIOA1514 | MIOA3298a | MIOA6545a | miob6701 | miob6966 | ncrb5111 | SEOA7278a |
| hfc7812 | MIOA2366a | MIOA4597a | MIOA9158 | miob6839 | ncrb1915 | ncrb7655 | |
| 314. TGF-betaIIα D50683 | | | | | | | |
| | | | | | | | 15 |
| fcrb1569 | miob3701 | ncr4732 | SEOA4878a | seoa8150 | SEOB3138 | seob7413 | |
| MIOA0324 | ncr0091 | ncrb8188 | seoa7877a | SEOB2962 | seob6540 | seob8187 | |
| 315. "H2A histone family, member Z (H2AFZ) = D28450.1 "NM_002106.1 | | | | | | | |
| | | | | | | | 15 |
| fcrb0069 | fcrb2616 | ncr0833 | ncr8131 | ncrb1741 | ncrb6897 | ncrc6131 | SEOA9935 |
| fcrb1660 | hfc4345 | ncr5159 | ncrb1101 | ncrb2751 | ncrc0444 | ncrc6991 | |
| 316. MAFB/Kreisler basic region/leucine zipper transCRiption factor (MAFB) AF134157.1 | | | | | | | |
| | | | | | | | 15 |
| hfc3058 | SEOA0180a | SEOA1690a | SEOA2929a | SEOA8326a | SEOA9070 | seob5371 | seob7477 |
| ncrc4224 | seoa0260m | SEOA1819a | SEOA3962a | SEOA8976 | SEOA9680 | seob5999 | |
| 317. cig19 (=D31887.1 KIAA0062) AF026940.1 | | | | | | | |
| | | | | | | | 15 |
| hfc1965 | MIOB2703 | ncr4393 | ncrb4383 | ncrc9696 | SEOA4722a | SEOA6527a | seob5027 |
| MIOA4567a | ncr2005 | ncr7680 | ncrc0876 | SEOA3008a | SEOA6292 | SEOB2802 | |
| 318. UMP-CMP kinase AF110643.1 | | | | | | | |
| | | | | | | | 15 |
| MIOA1365a | MIOA7560a | miob0186 | ncrc0572 | seoa4939a | SEOB0045 | SEOB1884 | seob6043 |
| MIOA7266a | MIOA9137 | ncrb2630 | ncrc4257 | SEOA6412 | SEOB1232 | seob5801 | |
| 319. cytochrome c oxidase subunit II gene (ORF) AF004339 | | | | | | | |
| | | | | | | | 15 |
| FCR3769 | hfc8463 | MIOA4601a | ncr5293 | ncrb2486 | ncrc0064 | ncrc1831 | ncrc4975 |
| hfc1831 | MIOA4601a | ncr1620 | ncrb0496 | ncrb4172 | ncrc1511 | ncrc4860 | |
| 320. cytosolic selenium-dependent glutathione peroxidase (=L09159 RHOA proto-oncogene multi-drug-resistance protein) M83094 | | | | | | | |
| | | | | | | | 15 |
| BFC50206 | MIOA0220a | MIOA3294a | miob1458 | miob1894 | ncrc4029 | SEOA9393 | seob5049 |
| ncrb0870 | MIOA2195a | miob0947 | miob1748 | ncrb2586 | ncrc9885 | seob4283 | |
| 321. collagen type XIV variant C-terminal NC1 and 3'UTR Y11711 | | | | | | | |
| | | | | | | | 15 |
| BFC50522 | FCR1646 | hfc1344 | MIOA2838a | ncr1024 | ncr9503 | ncrc4809 | ncrc6460 |
| FCR0816 | FCR3768 | hfc1775 | MIOA9064 | ncr1338 | ncrb2515 | ncrc6241 | seob5159 |
| 322. phosphoglycerate mutase (PGAM-B) J04173 | | | | | | | |
| | | | | | | | 15 |
| BFCW0352 | FCR6693 | hfc3845 | MIOA1429 | SEOA3533a | SEOB0725 | seob3893 | seob7720 |
| FCR2076 | hfc2965 | hfc6961 | ncrc3529 | seoa7828a | seob2297 | seob6729 | |
| 323. phosphoglycerate kinase 1 (PGK1) (ORF) NM_000291.1 | | | | | | | |
| | | | | | | | 15 |
| fcrb0185 | hfc9745 | mioa9525 | ncrb5872 | ncrc2098 | SEOB0670a | SEOB2750 | seob6351 |
| hfc7097 | MIOA9052 | ncr0939 | ncrc1503 | SEOA9010 | SEOB2062 | seob3387n | |

Figure 6A - Continued

| | | | | | | | |
|--|-----------|-----------|----------|-----------|-----------|-----------|-----------|
| 324. reverse transcriptase related proteinprf1207289A | | | | | | | 15 |
| hfcf5810 | miob7018 | ncf7663 | ncrb0058 | ncrb2808 | ncrb3960 | ncrc2318 | seob6545 |
| miob6700 | ncf5586 | ncr8851 | ncrb1127 | ncrb3038 | ncrc2149 | ncrc4513 | |
| 325. Heterogeneous nuclear ribonucleoprotein U (scaffold attachment factor A) NM_004501.1 | | | | | | | 15 |
| FCR2042 | FCR7696 | MIOA3671a | MIOB2606 | ncf1165 | ncrb3222 | SEOA0939 | seob6049 |
| FCR6889 | MIOA3620a | miob1275 | miob5679 | ncf6939 | ncrc5417 | SEOA9383 | |
| 326. collagen type XII alpha 1 (COL12A1) U57362 | | | | | | | 15 |
| BFCW0395 | CR0866 | fcr4678n | FCR7100 | fcrb1407 | MIOA3675a | SEOA1025 | SEOA6056a |
| CR0076 | FCR0866 | FCR6369 | FCR7288 | HFCR2379 | MIOA4015a | SEOA2365a | |
| 327. small nuclear ribonucleoprotein D2 polypeptide (16.5kD) (SNRPD2) NM_004597.3 | | | | | | | 14 |
| fcrb0985 | mioa9470 | ncf1413 | ncf9880 | ncrb7754 | SEOA9585 | seob7497 | |
| hfcf7462 | miob3301 | ncf8798 | ncrb5052 | SEOA8206 | seob3734 | seob8055 | |
| 328. Cu/Zn superoxide dismutase (SOD) X02317 | | | | | | | 14 |
| FCR6102 | hfcf8874 | MIOA9169 | miob3138 | SEOA1101a | SEOA2727 | seob2608 | |
| hfcf3731 | MIOA5160a | MIOB2635 | ncrc4376 | SEOA1268A | SEOA8342a | seob7364 | |
| 329. Nnuclease sensitive element binding protein 1 (NSEP1) = L28809.1 dbpB-like protein (ORF) NM_004559.1 | | | | | | | 14 |
| FCR2939 | hfcf6678 | MIOA4737 | ncrb0819 | SEOA1238A | SEOA9679 | SEOB2988 | |
| hfcf3434 | hfcf9668 | MIOA8629 | ncrc8901 | SEOA8619 | SEOB1772 | seob5301 | |
| 330. phospholipase A2 M86400 | | | | | | | 14 |
| MIOA2136 | miob2432 | miob4828 | ncrb1392 | SEOA1403 | SEOA2378a | SEOB3568 | |
| mioa9884 | miob3597 | ncf1732 | ncrb1953 | SEOA1427a | SEOA9524 | seob8096 | |
| 331. glutamine synthetase S70290 | | | | | | | 14 |
| MIOA4201 | ncf7533 | ncrb1325 | ncrb4472 | ncrc6671 | ncrc9338 | SEOA7552a | |
| ncf7420 | ncrb1309 | ncrb1878 | ncrc2437 | ncrc9174 | ncrc9969 | SEOB2955 | |
| 332. cathepsin B (CTSB) L22569 | | | | | | | 14 |
| FCR2119 | hfcf9002 | miob4773 | ncrb7777 | SEOA4703a | SEOA6052a | seob1053 | |
| hfcf7871 | MIOB2795 | ncf2242 | ncrc3151 | SEOA5433 | SEOA9083 | seob8032 | |
| 333. thyroid receptor interactor (TRIP7) L40357 | | | | | | | 14 |
| FCR6704 | hfcf8493 | MIOA6546a | miob4925 | ncf9546 | SEOA7469a | seob4762 | |
| hfcf5410 | MIOA1247 | mioa9893 | ncf7617 | ncrb1198 | SEOB0010 | seob7634 | |
| 334. alpha-2-macroglobulin D83196 | | | | | | | 14 |
| CR0112 | hfcf7076 | mioa7943 | miob1378 | miob5627 | ncrb5537 | ncrc9619 | |
| FCR5854 | MIOA3772 | mioa9817 | miob2385 | ncf1275 | ncrb5865 | SEOA1661a | |

Figure 6A - Continued

| | | | | | | |
|--|-----------|-----------|-----------|-----------|-----------|----------|
| 335. Tis11d geneU07802 14 | | | | | | |
| CR0496 | FCR3451 | hfc8497 | miob3896 | ncr5461 | ncr9142 | ncrb7969 |
| FCR0253 | hfc0547 | MIOA1535 | miob6162 | ncr8884 | ncrb5080 | ncrc6872 |
| 336. vacuolar sorting protein VPS29/PEP11 (LOC51699) NM_016226.1 14 | | | | | | |
| hfc6881 | MIOA5730a | MIOB1568 | ncrb4877 | SEOA7543a | seob5045 | seob6569 |
| hfc9626 | MIOA8246 | ncr2248 | SEOA5766 | seob2604 | seob5706 | seob7384 |
| 337. low molecular mass ubiquinone-binding proteinD50369 14 | | | | | | |
| FCR2991 | hfc2646 | ncr1603 | ncr7460 | SEOA0176a | SEOA7629a | seoa8045 |
| FCR7364 | hfc9416 | ncr7247 | ncrb1907 | SEOA5354 | seoa7868a | SEOA9331 |
| 338. Ku autoimmune antigen gene J04977.1 14 | | | | | | |
| FCR0653 | MIOA1602a | MIOA3680a | miob1804 | miob6317 | ncr0258 | SEOB3440 |
| MIOA1532 | MIOA2183a | MIOA4039a | miob4819 | miob6911 | SEOA3837 | seob3998 |
| 339. transforming growth factor beta-stimulated protein TSC-22 (TSC22) NM_006022.1 14 | | | | | | |
| fcrb0349 | hfc3050 | hfc6448 | mioa9403 | ncr1471 | ncr4787 | ncrc5607 |
| hfc2723 | hfc9167 | MIOA6889a | miob6391 | ncr4524 | ncrb3821 | ncrc6092 |
| 340. caldesmon M64110 14 | | | | | | |
| MIOA2292a | miob3460 | seoa0807m | SEOA5711a | SEOA9254 | seob5202 | seob7763 |
| MIOA6949a | SEOA0282 | SEOA2519 | SEOA8350a | SEOB3381 | seob6640 | SOA0068 |
| 341. HSPC330 mRNA(=HSPC016) AF161448.1 14 | | | | | | |
| fcrb1888 | hfc0240 | hfc4067 | ncr2059 | ncrb7599 | seob3875 | seob6067 |
| fcrb2719 | hfc2635 | ncr1733 | ncr3556 | seoa7837a | seob4169 | seob7037 |
| 342. syndecan binding protein (syntenin) (SDCBP)(ORF) = AF000652.1 NM_005625.1 14 | | | | | | |
| FCR2042 | MIOA3620a | MIOA9097 | miob2839n | ncr6939 | ncrb4505 | SEOA9383 |
| FCR2427 | MIOA3671a | MIOB2606 | ncr4115 | ncr7354 | ncrc5417 | seob4008 |
| 343. triosephosphate isomerase (TPI1) M10036 14 | | | | | | |
| BFC0054 | FCR0163 | fcrb0241 | hfc0774 | MIOA7123a | ncr7776 | ncrb3431 |
| BFC0420 | FCR4704 | fcrb1261 | hfc3496 | ncr2105 | ncrb2857 | ncrb3988 |
| 344. transcription elongation factor Bpolypeptide 1-like (RefSeq aa 8e-72) NP_003188.1 14 | | | | | | |
| ncr1480 | ncr2397 | ncr7565 | ncrb3532 | ncrc1883 | ncrc3358 | ncrc9332 |
| ncr1720 | ncr2805 | ncr8305 | ncrc1877 | ncrc2475 | ncrc7196 | |
| 345. heat shock 70kD protein 10 (HSC71) (HSPA10) NM_006597.1 13 | | | | | | |
| ncrc3867 | hfc5148 | ncr1798 | ncr9949 | ncrb7512 | seoa8132 | SEOA4092 |
| ncrc4108 | miob0188 | ncr2528 | ncrb4368 | seoa8016 | seob4292 | |

Figure 6A – Continued

| | | | | | | |
|---|----------|-----------|-----------|-----------|----------|-----------|
| 346. transmembrane protein (CD59) M84349.1 13 | | | | | | |
| FCR2333 | ncr2042 | ncrc5429 | ncrc6795 | SEOA7603a | SEOA9654 | seob3884 |
| ncr0236 | ncrb1165 | ncrc6553 | SEOA3563a | SEOA8701 | SEOB1555 | |
| 347. hfc4485chloride intracellular channel 4 like (CLIC4L) NM_013943.1 13 | | | | | | |
| MIOA8910 | miob3235 | ncr7412 | ncrb1849 | ncrb5798 | seob3838 | |
| mioa9483 | ncr1808 | ncr7528 | ncrb2510 | seob3668 | seob5252 | |
| 348. phenylalkylamine binding protein gene AF196969.1 13 | | | | | | |
| FCR2647 | hfc4215 | miob1300 | miob3982 | miob6402 | ncr2512 | SEOB0406 |
| hfc2986 | mioa9636 | miob2538 | miob5462 | miob6718 | ncr4972 | |
| 349. collagenase type IVJ03210 13 | | | | | | |
| FCR0355 | FCR3441 | FCR4854 | hfc2294 | hfc9228 | ncrc3432 | SEOA0130 |
| FCR1534 | FCR3539 | hfc0037 | hfc8964 | hfc9946 | ncrc3882 | |
| 350. "calnexin (CANX) integral membrane protein, calnexin, (IP90) "M94859 13 | | | | | | |
| MIOA6162a | ncr6614 | ncrb1367 | SEOA0869 | SEOA4420a | SEOA9949 | seob5341 |
| miob6612 | ncrb1142 | ncrb2157 | SEOA1989 | SEOA7415a | seob4255 | |
| 351. actin binding protein ABP620 AB029290.1 13 | | | | | | |
| FCR1348 | FCR3355 | ncr3194 | ncrb0124 | ncrc5929 | SEOA2658 | SOA0569 |
| FCR1900N | MIOA8740 | ncr4577 | ncrb0911 | SEOA0184a | SEOB3191 | |
| 352. peripheral myelin protein 22 M94048 13 | | | | | | |
| hfc0969 | hfc3059 | hfc5497 | MIOA3290a | ncr2264 | ncrc2363 | seoa4963a |
| hfc2787 | hfc3682 | MIOA1470 | MIOA5176a | ncrc0314 | ncrc2627 | |
| 353. syntaxin 4 binding protein UNC-18c (UNC-18c) AF032922.1 13 | | | | | | |
| FCR7201 | hfc0295 | hfc0772 | hfc3830 | hfc4111 | miob4441 | SEOA4380a |
| fcrb0289 | hfc0395 | hfc1250 | hfc4000 | hfc4115 | SEOA2626 | |
| 354. CGI-110 protein AF151868.1 13 | | | | | | |
| fcrb1776 | miob4563 | ncr5234 | ncrc1717 | SEOA7339a | SEOB1648 | seob6261 |
| MIOA5710 | ncr2898 | ncrb0381 | SEOA3748a | SEOA9793 | seob5117 | |
| 355. HSPC163 AF161512 13 | | | | | | |
| MIOA5738a | MIOB2099 | ncrc3860 | SEOA2928a | SEOA7936a | SEOA8913 | seob6440 |
| MIOA8029a | miob4040 | ncrc6931 | seoa6936 | SEOA8398a | seob5818 | |
| 356. sin3 associated polypeptide (SAP18) AF153608 13 | | | | | | |
| FCR3825 | hfc9011 | MIOA5075a | miob4559 | ncr8336 | ncrb4084 | seob8035 |
| FCR4035 | MIOA3802 | MIOA5712 | ncr5807 | ncrb1672 | seob4419 | |

Figure 6A – Continued

| | | | | | | | |
|---|-----------|-----------|-----------|-----------|----------|-----------|----|
| 357. "TPT1 gene for translationally controlled tumor protein (TCTP), exons 1-6 "AJ400717.1 | | | | | | | 13 |
| hfc0599 | ncr0604 | ncrb0687 | ncrb6164 | ncrb8494 | ncrc4170 | SEOA9701 | |
| hfc3810 | ncr5164 | ncrb0952 | ncrb8101 | ncrc0138 | ncrc8984 | | |
| 358. ribosomal protein S15 (RPS15) (=insulinoma rig-analog encoding DNA-binding protein mRNA) NM_001018.1 | | | | | | | 13 |
| BFCN0261 | FCR3376 | FCR4979 | FCR7585 | hfc0265 | hfc9648 | ncrc9050 | |
| FCR0773 | FCR4474 | FCR6413 | fcb0599 | hfc0855 | ncrc5329 | | |
| 359. ribosomal protein S26 NM_001029.1 | | | | | | | 13 |
| CR0144 | FCR5838 | hfc0998 | hfc8913 | ncr8817 | ncrb7370 | ncrc5524 | |
| FCR5835 | fcb1728 | hfc3880 | ncr3357 | ncrb3875 | ncrb8503 | | |
| 360. pre-mRNA splicing factor (SFRS3) AF107405.1 | | | | | | | 13 |
| hfc6649 | hfc9687 | MIOA6587a | ncr5614 | SEOA1065a | SEOB1333 | seob6325 | |
| hfc7969 | MIOA2789a | ncr4018 | ncrb1089 | SEOA7438a | seob4889 | | |
| 361. thrombospondin 1 (THBS1) NM_003246.1 | | | | | | | 13 |
| FCR1938 | FCR4904 | hfc3776 | MIOA3306a | miob1337 | ncrc1989 | SEOB1572 | |
| FCR2322 | hfc3694 | MIOA1849a | MIOA7230a | miob4729 | ncrc3235 | | |
| 362. insulin-like growth factor binding protein 5 (IGFBP5) geneL27556.1 | | | | | | | 13 |
| BFC0531 | fcb2284 | hfc0163 | miob3679 | ncr2186 | ncrb7583 | SEOA2999a | |
| FCR4401 | hfc0067 | hfc5815 | ncr0212 | ncrb6251 | ncrc9365 | | |
| 363. "fibroblast activation protein, alpha; seprase (FAP) "NM_004460.1 | | | | | | | 13 |
| BFC0081 | ncr7976 | ncrb8430 | ncrc4864 | SEOA0379 | SEOA9349 | seob7378 | |
| hfc6348 | ncrb4216 | ncrc4637 | ncrc5644 | SEOA0418 | seob6762 | | |
| 364. thymosin beta-10 S54005 | | | | | | | 13 |
| BFCN0192 | BFC0498 | FCR7015 | hfc1651 | hfc6708 | miob5040 | seob2594 | |
| BFC0260 | FCR0901 | fcb1755 | hfc5138 | miob2952 | SEOA9445 | | |
| 365. HSPC005 (=C11orf10)AF070661 | | | | | | | 13 |
| miob2949 | SEOA0838 | SEOA7508a | SEOB1851 | SEOB3550 | seob5321 | seob8099 | |
| ncr3751 | SEOA5845 | SEOA9282 | SEOB3304 | seob3671 | seob7871 | | |
| 366. Chaperonin (hsp60 gene) AJ249625.1 | | | | | | | 13 |
| FCR3042 | hfc0048 | hfc0617 | hfc0740 | hfc0913 | hfc1382 | hfc4080 | |
| FCR3101 | hfc0056 | hfc0619 | hfc0801 | hfc1043 | hfc3915 | SEOA8776 | |
| 367. HS1 protein (=YWHAQ)X57347 | | | | | | | 13 |
| hfc1164 | miob3075 | ncrb2474 | ncrc2895 | SEOA3467a | SEOB1575 | seob6736 | |
| MIOA6703a | ncr2931 | ncrb8416 | SEOA3219 | SEOA4083 | seob5521 | | |

Figure 6A – Continued

| | | | | | | |
|---|-----------|-----------|-----------|-----------|-----------|-------------|
| 368. electron transfer flavoprotein alpha-subunit J04058.1 | | | | | | 13 |
| HFCR3110 | ncr2474 | ncrb1083 | ncrb5146 | ncrc1288 | ncrc9056 | ncrc9148 |
| ncr0832 | ncrb0363 | ncrb1888 | ncrc0647 | ncrc6380 | ncrc9082 | |
| 369. "integrin, beta 1(fibronectin receptor, beta polypeptide, antigen CD29 includes MDF2, MSK12) (ITGB1), mRNA " | | | | | | NM_002211.1 |
| | | | | | | 13 |
| ncrb8189 | SEOA8715 | seob5191 | seob4014 | seob4875 | miob3079 | ncrb3229 |
| ncrc1083 | SEOB0137 | mioa9237 | seoa7845a | miob0717 | ncr8569 | |
| 370. "Fritz mRNA, complete cds "U91903.1 | | | | | | 13 |
| ncrc6687 | hfc1679 | MIOA0833a | ncr2567 | ncrb4792 | ncrb7677 | ncrc2638 |
| fcrb2710 | MIOA0224a | MIOA7285 | ncrb3850 | ncrb5984 | ncrc0145 | |
| 371. heterogeneous nuclear ribonucleoprotein K (HNRPK) NM_002140.1 | | | | | | 12 |
| fcrb1262 | hfc1844 | hfc3761 | mioa7636a | miob6560 | SEOA9424 | |
| hfc0751 | hfc3650 | MIOA0039a | MIOA9095 | SEOA8679 | seob8004 | |
| 372. heat shock 90kD protein 1 beta (HSPCB) NM_007355.1 | | | | | | 12 |
| hfc0495 | hfc3515 | hfc7576 | MIOA3880a | miob6886 | ncrb7400 | |
| hfc2686 | hfc5772 | hfc9685 | MIOA8974 | ncr1628 | ncrc4020 | |
| 373. insulin-like growth factor binding protein 7 (IGFBP7) 4504618 | | | | | | 12 |
| MIOA0182 | MIOA6745a | miob3745 | ncrc8954 | SEOA1183A | seob6586 | |
| MIOA2144 | MIOB1561 | ncrc5415 | SEOA0416 | SEOA5155a | seob7545 | |
| 374. hypoxia-inducible factor 1 alpha (HIF-1 alpha) U22431 | | | | | | 12 |
| MIOA0603a | MIOA7154a | miob0140 | ncrb6740 | SEOA1466a | SEOB0350 | |
| mioa3898a | MIOA7541a | miob3753 | ncrc3656 | SEOA3639a | SEOB1224 | |
| 375. growth arrest-specific 1 (GAS1) NM_002048.1 | | | | | | 12 |
| MIOA5990a | miob1739 | miob5798 | ncrb5201 | seob1347n | seob4339 | |
| miob1147 | miob4166 | ncr3800 | SEOA8389a | SEOB3074 | seob8015 | |
| 376. lactate dehydrogenase B (LDH-B) Y00711 | | | | | | 12 |
| FCR0225 | fcrb1042 | ncr3885 | ncrb0728 | ncrb3542 | SEOA6560a | |
| FCR0518 | MIOB2861 | ncr9600 | ncrb2465 | ncrc6273 | seob5680 | |
| 377. sterol carrier protein 2 S52450 | | | | | | 12 |
| MIOA1913a | MIOA5681 | miob3137 | ncrb6820 | ncrc7097 | seoa4895a | |
| MIOA4816a | mioa9798 | miob5709 | ncrc2280 | SEOA4301a | SEOB1877 | |
| 378. mitochondrial proteolipid 68MP homolog (PLPM) NM_004894.1 | | | | | | 12 |
| hfc7596 | MIOA5789a | miob3767 | ncr7075 | SEOA2669 | SEOA9152 | seob7484 |
| MIOA5119a | MIOA7530a | ncr1800 | ncrb1731 | SEOA8959 | SEOA9889 | |

Figure 6A – Continued

| | | | | | | |
|--|-----------|-----------|-----------|-----------|-----------|-----------|
| 379. hepatitis B virus X interacting protein (XIP) AF029890 | | | | | | 12 |
| FCR3841 | MIOA6150a | ncr0149 | ncrc2441 | SEOA6547a | SEOB1344 | |
| MIOA3945a | miob3312 | ncrb0651 | SEOA6122a | SEOA9098 | SEOB3428 | |
| 380. nicotinamide N-methyltransferase (NNMT) U08021 | | | | | | 12 |
| MIOA4755 | ncr3954 | ncr8431 | ncrb8284 | ncrc1280 | SEOB0864a | |
| ncr0597 | ncr7303 | ncrb6904 | ncrc1241 | SEOA3223 | seob5789 | |
| 381. ATP synthase epsilon chain AF077045.1 | | | | | | 12 |
| FCR4880 | MIOA4312a | SEOA1308 | SEOA2478 | SEOA6053a | SEOA8387a | |
| MIOA2871a | MIOA5667 | SEOA2409 | SEOA2908a | SEOA6198a | SEOB2195 | |
| 382. cytochrome c oxidase subunit VIIa (COX7A) muscle isoform M83186 | | | | | | 12 |
| MIOA2493a | ncr3706 | SEOA4885a | SEOB0876a | SEOB1416 | seob6384 | |
| miob5066 | SEOA4329a | SEOB0748 | SEOB1071 | seob5208 | seob8323 | |
| 383. DEK oncogene (DNA binding) (DEK) gi4503248 | | | | | | 12 |
| FCR0339 | hfc2790 | hfc9463 | MIOA3237a | ncr5875 | SEOB1007 | |
| FCR7054 | hfc6686 | MIOA0472 | MIOA4215 | SEOB0471 | seob6348 | |
| 384. hypoxia-inducible gene 1 (HIG1) (=HSPC010) AF145385.1 | | | | | | 12 |
| hfc0150 | MIOA5613a | MIOA5941a | mioa9550 | miob1969 | SEOA9012 | |
| MIOA1954a | MIOA5768a | mioa9187 | miob1879 | SEOA3504a | seob5528 | |
| 385. activated RNA polymerase (PC4)NM_006713.1 | | | | | | 12 |
| hfc9414 | miob1183 | ncr3435 | ncrc7012 | SEOA8877 | SEOA9897 | |
| MIOB0554 | MIOB2342 | ncrc0222 | seoa7984 | SEOA9111 | seob4098 | |
| 386. breast carcinoma amplified sequence 2 (BCAS2) NM_005872.1 | | | | | | 12 |
| MIOA5124a | MIOA5507a | miob0819 | miob4064 | SEOA5065a | SEOA5806 | |
| MIOA5126a | mioa9919 | MIOB2617 | miob6601 | SEOA5748a | seob6450 | |
| 387. enhancer-of-split and hairy-related protein 1 (SHARP-1) AF009329.1 | | | | | | 12 |
| miob4684 | ncr6729 | ncr9492 | ncrc0160 | ncrc2142 | ncrc4240 | |
| ncr1486 | ncr8183 | ncrb0726 | ncrc2140 | ncrc2583 | SEOB2671 | |
| 388. BCL2/adenovirus E1B 19kD-interacting protein 3 (BNIP3) U15174 | | | | | | 12 |
| fcrb2181 | hfc5556 | ncr6328 | SEOA2875 | SEOB1998 | | |
| hfc4449 | ncr5697 | ncrb5526 | SEOA5387 | seob5618 | | |
| 389. protein tyrosine phosphatase (hR-PTPu) X58288 | | | | | | 12 |
| FCR2920 | FCR5885 | MIOA1520 | ncr3398 | ncrc1247 | SEOA3322a | |
| FCR5337 | fcrb1962 | miob4108 | ncrb5871 | SEOA1567 | SEOA3324a | |

Figure 6A – Continued

390. "TRPM-2, cytosolic epoxide hydrolase, nicotinic acetylcholine receptor alpha2 subunit, and focal adhesion kinase genes"
"AF311103.1 12

| | | | | | |
|-----------|---------|----------|----------|----------|----------|
| MIOA7452a | ncr7028 | ncrb1939 | ncrb4627 | ncrb7915 | ncrc5182 |
| ncr2160 | ncr8289 | ncrb1988 | ncrb7679 | ncrc0149 | ncrc8836 |

391. colon carcinoma laminin-binding protein (=RIBOSOMAL PROTEIN SA (P40))J03799.1 12

| | | | | | |
|----------|---------|---------|---------|----------|-----------|
| BFCW0145 | FCR2185 | FCR4902 | FCR5915 | fcrb1190 | MIOA6326a |
| FCR1495N | FCR3371 | FCR5901 | FCR7681 | fcrb2256 | seob7177 |

392. alpha E-catenin (CTNNA1) gene AF102803.1 12

| | | | | | |
|---------|-----------|----------|---------|-----------|----------|
| FCR2472 | hfc8861 | miob4276 | ncr4127 | SEOA3989a | SEOA9438 |
| FCR5779 | MIOA7108a | ncr3682 | ncr6932 | SEOA8177a | seob2335 |

393. Clk-associated RS cyclophilin CARS-Cyp U40763 12

| | | | | | |
|----------|-----------|----------|----------|----------|----------|
| MIOA1457 | MIOA2993a | miob4354 | ncrb0670 | SEOA0863 | SEOB0469 |
| MIOA1734 | miob0841 | ncr5843 | ncrb2626 | SEOA6363 | seob5220 |

394. suppression of tumorigenicity 13 (Hsp70-interacting protein) (ST13) NM_003932.1 12

| | | | | | |
|---------|---------|----------|----------|----------|----------|
| hfc0952 | ncr6902 | ncrc0583 | ncrc4561 | SEOB0964 | seob5241 |
| hfc2718 | ncr8215 | ncrc1533 | ncrc5276 | SEOB3244 | |

395. cytochrome c oxidase subunit VIIa polypeptide 2 like (COX7A2L) NM_004718.1 12

| | | | | | |
|-----------|----------|---------|----------|----------|----------|
| hfc6880 | miob6860 | ncr7259 | ncrc0817 | SEOB3431 | seob6161 |
| mioa7706a | ncr2971 | ncr9722 | SEOB0923 | seob4178 | SOA0565 |

396. cyclin M74091 12

| | | | | | |
|----------|---------|-----------|-----------|----------|----------|
| BFCN0266 | FCR7261 | MIOA0241a | seoa0499m | SEOB0404 | seob5777 |
| FCR2682N | hfc2989 | ncrb8392 | SEOA1056a | seob4422 | seob6245 |

397. NADH dehydrogenase subunit 2 (ND2) AF014897.2 12

| | | | | | |
|---------|-----------|----------|----------|-----------|-----------|
| FCR7621 | MIOA6662a | ncrb6869 | SEOA0409 | SEOA1279a | SEOA3371a |
| hfc6020 | ncrb6062 | ncrc3708 | SEOA0481 | SEOA1973a | SEOA3547a |

398. "ATP synthase, H transporting, mitochondrial (RefSeq aa 1e-50) "NP_001676.1 12

| | | | | | |
|---------|----------|----------|----------|----------|----------|
| ncr0832 | ncrb0363 | ncrb1888 | ncrc0647 | ncrc6380 | ncrc9082 |
| ncr2474 | ncrb1083 | ncrb5146 | ncrc1288 | ncrc9056 | ncrc9148 |

399. nuclear protein SDK3 (=MEMA)Y10351 12

| | | | | | |
|---------|----------|----------|---------|----------|-----------|
| FCR0707 | fcrb0353 | HFCR3146 | ncr0660 | ncr6593 | SEOA2326a |
| FCR1426 | hfc1637 | hfc9206 | ncr1920 | ncrb8214 | SEOB2739 |

400. 15 kDa selenoprotein (SEP15)AF051894 12

| | | | | | |
|---------|-----------|----------|-----------|----------|-----------|
| MIOA195 | MIOA6180a | SEOB3179 | seoa4940a | ncr0420 | SEOA4853a |
| FCR6830 | SEOA7540a | mioa0509 | seoa7871a | ncrb0814 | SEOB1638 |

Figure 6A – Continued

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|-------------|---|------------|-----------|-----------|-----------|-----------|
| 401. | eukaryotic translation elongation factor 1 gamma (EEF1G) NM_001404.1 | | | | | 11 |
| hfcf2557 | hfcf5010 | hfcf6590 | ncf6705 | ncf3650 | seoa8014 | |
| hfcf3408 | hfcf6570 | hfcf6853 | ncf7493 | SEOA5795 | | |
| 402. | transmembrane protein (p63)X69910 | | | | | 11 |
| BFCN0138 | FCR1353 | FCR7158 | hfcf2704 | MIOA0878a | SEOA0166a | |
| FCR0881 | FCR1509 | hfcf1356 | hfcf6370 | ncf7028 | | |
| 403. | "clathrin, heavy polypeptide-like 2 (CLTCL2) (=KIAA0034) "NM_004859.1 | | | | | 11 |
| FCR7110 | hfcf5482 | SEOA2832 | SEOA9443 | seob6028 | seob7702 | |
| hfcf0645 | SEOA2237a | SEOA8296 | seob4053 | seob6599 | | |
| 404. | extracellular matrix protein AB011792 | | | | | 11 |
| MIOA2065 | MIOB1515 | miob6658 | SEOA4536 | SEOA8914 | seob1044 | |
| MIOA7588a | miob6616 | ncf2008 | SEOA7366a | SEOB0985 | | |
| 405. | mesoderm specific transcript (mouse) homolog (MEST) NM_002402.1 | | | | | 11 |
| BFCN0024 | fcfb0367 | hfcf0635 | hfcf2868 | hfcf7711 | hfcf8189 | ncf5171 |
| CR0995 | fcfb2221 | hfcf2678 | hfcf6331 | hfcf7824 | hfcf8438 | |
| 406. | KIAA0728 AB018271.1 | | | | | 11 |
| MIOA3589 a | MIOA8647 | MIOA8775 | SEOA0308 | SEOA8567 | | |
| MIOA7326 | MIOA8675 | mioa9927 | SEOA2922a | SEOA9461 | | |
| 407. | ADP/ATP translocase J03592 | | | | | 11 |
| ncf6219 | FCR0529 | hfcf6003 | hfcf7352 | ncf1143 | ncf5156 | |
| ncf5690 | FCR1979 | hfcf6806 | ncf8840 | ncf4275 | | |
| 408. | UDP-glucose dehydrogenase (UGDH) AF061016 | | | | | 11 |
| fcfb2127 | MIOA1608a | mioa9188 | ncf5802 | seoa0343m | seob5608 | |
| hfcf8759 | MIOA9041 | miob4237 | ncf9871 | SEOA9556 | | |
| 409. | "protein phosphatase 2 (formerly 2A), catalytic subunit, alpha isoform (PPP2CA) "NM_002715.1 | | | | | 11 |
| fcfb1134 | HFCR2381 | mioa3115an | miob7006 | ncf5363 | ncf1624 | SEOA8973 |
| fcfb1963 | hfcf6350 | miob1757 | ncf4735 | ncf6870 | SEOA4626a | |
| 410. | "protein C inhibitor [human, leukocytes, Genomic, 1402 nt, segment 5 of 5] "S69366.1 | | | | | 11 |
| hfcf3465 | ncf0429 | ncf2174 | ncf5531 | SEOA2955a | SEOB0695a | |
| miob4855 | ncf0429 | ncf4919 | ncf5655 | SEOA3799a | | |
| 411. | ribophorin II (RPN2) Y00282 | | | | | 11 |
| FCR4984 | fcfb0657 | hfcf3783 | hfcf6196 | ncf8779 | seob5724 | |
| FCR7138 | hfcf3424 | hfcf6013 | ncf0908 | ncf3753 | | |

Figure 6A -- Continued

| | | | | | | |
|---|-----------|-----------|-----------|-----------|-----------|-----------|
| 412. ubiquitin-conjugating enzyme E2B (RAD6 homolog) (UBE2B) NM_003337.1 | | | | | | 11 |
| FCR6968 | miob0578 | ncr0613 | ncrb1221 | ncrb4008 | | |
| MIOA4635a | ncr0613 | ncrb0276 | ncrb2399 | SEOB2171 | | |
| 413. ERF-1 X79067.1 | | | | | | 11 |
| CR0906 | hfc9738 | ncrc9385 | SEOA2917a | SEOB3385 | seob5452 | |
| FCR6901 | ncr0644 | SEOA1455a | SEOA6169a | seob4150 | | |
| 414. zinc finger transCRiption factor GKLf AF105036.1 | | | | | | 11 |
| MIOA3760a | miob0453 | ncr6403 | ncrb1729 | ncrb4528 | ncrc9808 | seob6490 |
| 415. GABA(A) receptor-associated protein (GABARAP) NM_007278.1 | | | | | | 11 |
| fcrb1695 | hfc6884 | hfc9432 | ncrb7119 | SEOB2081 | seob8081 | |
| hfc6729 | hfc7370 | ncr9828 | ncrc6747 | SEOB2104 | | |
| 416. titin (TTN) gene CAA49245.1 | | | | | | 11 |
| FCR0499 | FCR5534 | hfc6093 | MIOA8863 | SEOA4869a | SEOA8910 | |
| FCR2596 | FCR6432 | MIOA4234 | ncrb4960 | seoa8101 | | |
| 417. epidermal growth factor receptor kinase substrate (Eps8) U12535 | | | | | | 11 |
| fcrb1872 | MIOA1201 | MIOA4808a | ncr6937 | SEOA4469a | SEOB0882a | |
| MIOA0693 | MIOA2792a | miob0990 | ncrb5095 | SEOA5575a | | |
| 418. FRG1 L76159 | | | | | | 11 |
| MIOA6784a | SEOA3640a | hfc1853 | ncrb2291 | ncr6852 | | |
| SEOA1873a | seob4930 | miob6153 | ncrb1068 | seoa3167m | | |
| 419. E25B protein U76253 | | | | | | 11 |
| FCR0217 | FCR2239 | FCR2511 | FCR5801 | FCR6983 | MIOA0857a | |
| FCR2117 | FCR2287 | FCR4052 | FCR6929 | FCR7277 | | |
| 420. transCRiption factor BTF 3 X74070 | | | | | | 11 |
| FCR1704 | fcrb0272 | hfc2234 | MIOA2119 | SEOA3555a | SOA0021 | |
| FCR3732 | fcrb1093 | hfc6397 | ncrc4193 | seob6890 | | |
| 421. transmembrane glycoprotein (GPNMB) X76534 | | | | | | 11 |
| MIOA3399a | miob4678 | ncr3485 | SEOA1246A | SEOA3036a | seob6227 | |
| miob3330 | miob5777 | ncrb4997 | SEOA2740 | SEOB2060 | | |
| 422. profilin II L10678.1 | | | | | | 11 |
| ncrc5357 | FCR2109 | hfc8624 | ncrb7680 | SEOB0325 | seob6303 | |
| ncrc5350 | FCR6090 | miob5440 | SEOB0325 | SEOB2002 | | |

Figure 6A – Continued

| | | | | | | |
|--|-----------|-----------|-----------|-----------|-----------|-----------|
| 423. calreticulin (CALR) M84739 11 | | | | | | |
| FCR0725 | FCR1394 | FCR7051 | hfc7494 | ncrc4798 | seob4731 | |
| FCR1173 | FCR1823 | hfc76791 | ncr2516 | seoa0010m | | |
| 424. ADP-ribosylation factor 1 M84326.1 11 | | | | | | |
| CR0077 | FCR1252 | hfc72772 | hfc7510 | MIOA2898a | ncrb4497 | |
| CR0311 | fcb1341 | hfc7361 | MIOA2560a | miob4593 | | |
| 425. 16.7Kd protein AF078845.1 11 | | | | | | |
| fcb0336 | hfc76732 | miob5108 | ncrb1288 | SEOA2829 | seob5750 | |
| hfc73798 | MIOA0132 | ncr1427 | ncrb5245 | SEOB0808a | | |
| 426. KIAA1247 AB033073.1 11 | | | | | | |
| SEOB3220 | ncrb7995 | ncrc0060 | ncrb1281 | miob4798 | seoa7776a | |
| seob4939 | ncrb2014 | seoa8102 | miob4746 | ncr9102 | | |
| 427. peroxiredoxin 1 (PRDX1) (=NKEFA) NM_002574.1 11 | | | | | | |
| ncrc3471 | ncr5721 | ncrb3579 | ncrc0249 | hfc8786 | SEOB3098 | |
| FCR6941 | ncrb0368 | ncrb7886 | hfc72783 | miob3468 | | |
| 428. "poly(A)-binding protein, cytoplasmic 1 (PABPC1) "NM_002568.1 11 | | | | | | |
| ncrc6635 | ncrb3185 | seob5908 | hfc9288 | seob7555 | SEOA2058 | |
| SEOA8468 | ncrb6910 | seob6202 | fcb1942 | seoa2058n | | |
| 429. tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, theta polypeptide (YWHAQ) "NM_006826.1 11 | | | | | | |
| ncr2931 | hfc6130 | ncrb8416 | seob6736 | miob3075 | ncrb2474 | |
| hfc72237 | SEOB1575 | seob5521 | SEOA3467a | hfc1164 | | |
| 430. myosin light chain 3 non-muscle (MLC3nm) M31212 10 | | | | | | |
| hfc72213 | MIOA3051a | MIOA3334a | MIOB2174 | SEOA1364 | SEOA6199a | SEOA6397 |
| | | | | | SEOA6604a | SEOA7112a |
| 431. Lsm3 protein AJ238095.1 10 | | | | | | |
| mioa0741m | ncr5137 | ncrb6036 | SEOA7286a | seob5389 | | |
| MIOA3289a | ncrb1203 | ncrc2240 | seob2556 | seob8030 | | |
| 432. "CD164 antigen, sialomucin (CD164) "NM_006016.1 10 | | | | | | |
| fcb1826 | ncrb1665 | ncrc2268 | seoa7036 | SEOA8770 | seob4040 | |
| miob2905 | ncrc0020 | ncrc6819 | SEOA7109a | SEOB0595 | | |
| 433. collagen type XVI collagen alpha 1 (COL16A1) S57132.1 10 | | | | | | |
| FCR2199 | FCR7264 | hfc75718 | hfc7042 | hfc9095 | | |
| FCR5660 | hfc70053 | hfc76204 | hfc7659 | hfc9497 | | |
| 434. SET translocation (myeloid leukemia-associated) (SET) =M93651 NM_003011.1 10 | | | | | | |
| hfc70401 | hfc72673 | MIOA0230a | MIOA5576a | ncr4100 | ncr8300 | SEOA1477 |
| | | | | | | SEOA1654a |
| | | | | | | seoa7738a |

Figure 6A – Continued

SEOA8677

435. myloid-beta protein (APP) M33112.110

| | | | | |
|-----------|----------|----------|-----------|----------|
| mioa9979a | miob5608 | ncrb5060 | SEOA0978 | SEOB0612 |
| miob4923 | ncrb2598 | ncrb7184 | SEOA4840a | seob6030 |

436. vesicle docking protein p115 (P115) NM_003715.1 10

| | | | | |
|----------|-----------|----------|-----------|----------|
| MIOA3774 | MIOA3950a | ncrb8653 | SEOA3389a | seob5337 |
| MIOA3820 | MIOB1552 | ncrc9202 | seob4058 | seob8173 |

437. "hereditary haemochromatosis region, histone 2A-like protein gene, hereditary haemochromatosis (HLA-H) gene, RoRet gene, and sodium phosphate transporter (NPT3) gene, complete cds (=H4 histone) "U91328.1 10

| | | | | |
|-----------|----------|----------|----------|----------|
| MIOA6860a | miob6810 | ncr9508 | SEOA9196 | SEOB3101 |
| miob6462 | ncr9038 | ncrb4405 | SEOB2709 | seob5891 |

438. cell cycle progression 8 protein (CPR8)(ORF)=AF011794 NM_004748.1 10

| | | | | |
|----------|----------|-----------|----------|----------|
| miob0822 | ncr6004 | SEOA4460a | seob5776 | seob7569 |
| miob4330 | ncrb2939 | seob4894 | seob7167 | SOA0471 |

439. KIAA0438 AB007898.1 10

| | | | | |
|----------|----------|---------|----------|----------|
| FCR6408 | miob1296 | ncr1347 | ncrc0544 | SEOB2994 |
| MIOA2068 | ncr1161 | ncr8905 | SEOA9249 | seob7431 |

440. actin, alpha, cardiac muscle "NP_005150.1 10

| | | | | |
|---------|---------|----------|----------|----------|
| hfc0046 | ncr0287 | ncr8053 | ncrb3944 | ncrc2893 |
| hfc3820 | ncr2635 | ncrb3585 | ncrb8314 | ncrc3564 |

441. GAP-associated tyrosine phosphoprotein p62 (Sam68) (SAM68) (=p62) NM_006559.1 10

| | | | | |
|----------|----------|----------|-----------|-----------|
| fcrb1633 | miob6430 | ncrc1099 | ncrc5184 | SEOA5333a |
| HFCR3200 | ncrb2174 | ncrc1836 | SEOA5331a | SOA0445 |

442. sphingolipid activator protein 1 J03015 10

| | | | | |
|---------|---------|-----------|-----------|----------|
| FCR7349 | hfc9348 | MIOA1408a | SEOA2418a | seob6722 |
| hfc0602 | hfc9582 | ncrc2060 | seob4670 | seob7354 |

443. "transcription elongation factor A (SII), 1 (TCEA1) "NM_006756.1 10

| | | | | | |
|-----------|----------|-----------|------------|----------|----------|
| MIOA5194a | ncrc5961 | SEOA1623a | seoa4102an | seob4855 | seob6112 |
|-----------|----------|-----------|------------|----------|----------|

444. nuclear pore complex interacting protein (NPIP) AF132984.1 10

| | | | | |
|---------|---------|----------|----------|----------|
| hfc1964 | ncr3945 | ncr9327 | ncrb4262 | ncrb6295 |
| ncr1009 | ncr7884 | ncrb1406 | ncrb5333 | ncrc1279 |

445. ganglioside expression factor 2 (GEF-2) NM_007285.1 10

| | | | | |
|----------|----------|-----------|----------|----------|
| hfc3627 | ncrb1310 | ncrc6693 | SEOA9183 | SEOB1173 |
| miob6881 | ncrb6571 | SEOA3391a | SEOA9809 | SEOB1236 |

Figure 6A – Continued

| | | | | | |
|--|-----------|-----------|-----------|-----------|----|
| 446. Down syndrome candidate region 1 (DSCR1) NM_004414.2 | | | | | 10 |
| hfc7398 | ncr8456 | SEOA1248A | seob5168 | seob5500 | |
| MIOB2263 | ncrb4080 | seoa6971 | seob5383 | seob7052 | |
| 447. S164 (=AC004858 U1 small ribonucleoprotein 1SNRP homologue) AF109907 | | | | | 10 |
| hfc1142 | MIOA3915a | ncrb4859 | ncrc3300 | SEOA4391a | |
| MIOA3717a | MIOA5193a | ncrc0819 | SEOA1429a | seob6832 | |
| 448. proline-rich protein with nuclear targeting signal (B4-2) NM_006813.1 | | | | | 10 |
| mioa3816 n | MIOA9107 | miob3358 | ncrb2712 | SEOA9943 | |
| mioa7798a | miob1918 | ncr9124 | ncrc3319 | SEOB1152 | |
| 449. PAPS synthetase-2 (PAPSS2) AF074331.1 | | | | | 10 |
| hfc5974 | MIOA7506a | ncr1495 | ncrc5328 | SEOA9469 | |
| hfc8446 | miob4104 | ncrb6432 | SEOA6390 | seob7696 | |
| 450. RIBOSOMAL PROTEIN SA (P40) spP08865 | | | | | 10 |
| BFCW0145 | FCR2185 | FCR4902 | FCR5915 | MIOA6326a | |
| FCR1495N | FCR3371 | FCR5901 | FCR7681 | seob7177 | |
| 451. ataxia telangiectasia (ATM) gene U82828.1 | | | | | 10 |
| miob1883 | ncr1491 | ncr9171 | ncrc0220 | seob4846 | |
| miob3905 | ncr4946 | ncrb5211 | seob3726 | seob5131 | |
| 452. ARP2/3 protein complex subunit p21 (ARC21=AF006086 (ORF) NM_005719.1 | | | | | 10 |
| hfc6039 | MIOA1940a | miob1825 | miob6279 | SEOA4107a | |
| MIOA1830a | MIOA7630a | miob5687 | ncrb2955 | SEOA4673a | |
| 453. HSPC297 (=HSPC030) AF161415.1 | | | | | 10 |
| mioa1436n | MIOA2987a | ncrc6495 | SEOA6495a | SEOB0207 | |
| MIOA1880a | MIOA4074a | SEOA6494a | SEOA8693 | seob7370 | |
| 454. NS1-binding protein (NS1-BP) (=AB020657 KIAA0850) AJ012449 | | | | | 10 |
| FCR3736 | MIOA3066a | MIOA5587a | MIOB2297 | SEOA6481a | |
| MIOA2652a | MIOA4407 | miob1821 | ncrb3245 | SOA0391 | |
| 455. dioxin-inducible cytochrome P450 (CYP1B1) U03688.1 | | | | | 10 |
| MIOA8103 | mioa9742 | ncr5812 | ncrb6245 | ncrc8949 | |
| mioa9439 | ncr1433 | ncr9175 | ncrb6403 | SEOB1836 | |
| 456. WSB-1 isoform AF106684.1 | | | | | 10 |
| FCR4477 | hfc3563 | ncr1210 | ncrc0183 | ncrc5720 | |
| hfc2731 | miob4059 | ncr5549 | ncrc1665 | seob5048 | |

Figure 6A – Continued

| | | | | | |
|---|-----------|-----------|-----------|-----------|-----------|
| 457. protein disulfide isomerase-related protein (P5)= D49489 NM_005742.1 | | | | | 10 |
| FCR5687 | MIOA1009 | mioa9314 | miob6521 | seob2569 | |
| fcrb0402 | MIOA8219 | miob0838 | SEOA7535a | seob5742 | |
| 458. membrane protein CH1 (CH1) AB020980 | | | | | 10 |
| FCR5663 | FCR7710 | ncr0679 | ncr5960 | ncrc4048 | |
| FCR5800 | MIOA0535n | ncr2291 | ncrb2053 | ncrc9869 | |
| 459. sema domain immunoglobulin domain (Ig)(semaphorin) 3E (SEMA3E)(= KIAA0331) NM_012431.1 | | | | | 10 |
| fcrb2690 | mioa9802 | miob4091 | ncrb2375 | seoa7819a | |
| MIOA8348 | miob1135 | ncr0153 | ncrc6652 | SOA0623 | |
| 460. heat shock J2 protein (HSJ2) AF075601.1 | | | | | 10 |
| SEOA1762 a | miob4232 | seoa9125 | miob2219 | mioa0701 | |
| hfr8761 | seob2531 | mioa7231a | seoa1762a | hfr9312 | |
| 461. T245 protein (T245) =TM4SF6=TM4-DAF043906 | | | | | 10 |
| SEOA0457 | ncr1475 | ncrc0994 | SEOA0207a | seob7047 | |
| FCR4382 | ncr9639 | ncrc5162 | SEOB0279 | SOA0692 | |
| 462. inositol polyphosphate 1-phosphatase gene (INPP1) (low match) AF141324.1 | | | | | 10 |
| SEOA3560a | MIOA3768 | ncrb0417 | SEOA8586 | SEOB1292 | |
| hfr0944 | MIOA5612a | SEOA5807 | SEOA9651 | SEOB2051 | |
| 463. RAN, member RAS oncogene family (RAN), mRNA /cds=(114,764) /gb=NM_006325 /gi=6042206 /ug=Hs.10842 /len=1656 " | | | | | 10 |
| seoa6972" | FCR6517 | SEOA1302a | SEOB1907 | seob4485 | |
| FCR3367 | ncrb6319 | SEOA2183a | SEOB1974 | seob5296 | |
| 464. HSPC016, mRNA /cds=(38,232) /gb=NM_015933 /gi=7705430 /ug=Hs.171774 /len=384 "Hs.171774 | | | | | 10 |
| seoa7837a | hfr0240 | hfr4067 | seob6067 | seob3875 | |
| fcrb1888 | hfr2635 | ncr2059 | seob4169 | ncr1733 | |
| 465. "JKTBP2, JKTBP1, complete cds "AB017018.1 | | | | | 10 |
| ncrc5500 | ncrb4595 | FCR4753 | MIOA2760a | ncrc2647 | |
| fcrb1002 | MIOA6588a | ncr4370 | SEOB3312 | ncr140 | |

Figure 6A - Continued

| | | | | |
|-----|---|---|-------------|---|
| 466 | ncr1765 ncr1824 ncr9627 ncrb0438 ncrb3815 ncrb5491 ncrb6511 ncrb7610 ncrc5255 | ribosomal 18S, 58S, and 28S (=45S pre rRNA gene) | V01270.1 | 9 |
| 467 | mioa9615 miob0445 miob6513 miob6953 ncr3343 ncrb8454 seoa7969 seoa7977 seob6463 seob7750 | SEC24 (<i>S. cerevisiae</i>) related gene family, member D (SEC24D), = AK001390 | NM_014822.1 | 9 |
| 468 | mioa9202 miob1067 miob3174 ncr5763 ncrb2508 SEOA9399 SEOA9660 SEOB0173 seob5411 | annexin A4 (ANXA4) | NM_001153.2 | 9 |
| 469 | FCR1318 FCR3065 FCR4366 MIOB2646 miob3461 SEOA0501 SEOA1404 SEOA2761 seob4794 | arginine-rich nuclear protein | M74002 | 9 |
| 470 | MIOA5013a mioa7673a miob6080 ncrb0292 ncrb4784 ncrc2110 SEOA4863a seob4332 seob6260 | malate dehydrogenase 1, NAD (soluble) (MDH1) | NM_005917.1 | 9 |
| 471 | FCR6246 hfc1292 hfc9823 MIOA7992a ncrb0178 ncrb4632 SEOA0319 SEOA8363a SEOA9181 | collagen type VI alpha 1 (COL6A1) | X15880 | 9 |
| 472 | fcrb1346 MIOA4963a | SMT3 (suppressor of mif two 3, yeast) homolog 2 (SMT3H2) | NM_006937.1 | 9 |

Figure 6A - Continued

| | | | | |
|-----|-----------|--|-------------|---|
| | miob5747 | | | |
| | ncr2632 | | | |
| | ncr8859 | | | |
| | ncrc0438 | | | |
| | ncrc3318 | | | |
| | SEOB0221 | | | |
| | SEOB3419 | | | |
| 473 | BFCW0318 | cyclophilin B (hCyPB) | M60857 | 9 |
| | CR0179 | | | |
| | FCR0113 | | | |
| | FCR3447 | | | |
| | fcrb2005 | | | |
| | MIOA2794a | | | |
| | ncr4738 | | | |
| | ncrb3852 | | | |
| | ncrb5521 | | | |
| | seob7631 | | | |
| 474 | FCR5032 | YAP65 | X80507.1 | 9 |
| | FCR7293 | | | |
| | hfcr9295 | | | |
| | MIOA0160 | | | |
| | MIOA1942a | | | |
| | MIOA4752 | | | |
| | miob5803 | | | |
| | ncr0090 | | | |
| | seob5652 | | | |
| 475 | hfcr0404 | uridine diphosphoglucose pyrophosphorylase | U27460 | 9 |
| | MIOA4634a | | | |
| | mioa9235 | | | |
| | mioa9809 | | | |
| | miob4006 | | | |
| | ncrb1580 | | | |
| | SEOA0135 | | | |
| | SEOA4453a | | | |
| | SEOA9892 | | | |
| 476 | FCR0023 | prolyl 4-hydroxylase gene | U14608.1 | 9 |
| | FCR3691 | | | |
| | FCR6259 | | | |
| | miob5425 | | | |
| | ncr2573 | | | |
| | SEOA8237 | | | |
| | SEOB0819a | | | |
| 477 | fcrb0109 | melanoma-associated antigen MG50 | AF200348.1 | 9 |
| | fcrb2067 | | | |
| | hfcr3477 | | | |
| | hfcr3867 | | | |
| | hfcr7756 | | | |
| | hfcr8784 | | | |
| | hfcr9629 | | | |
| | miob4662 | | | |
| | ncrb1840 | | | |
| 478 | MIOA2037 | kinectin 1 (kinesin receptor) (KTN1)(= KIAA0004) | NM_004986.1 | 9 |
| | MIOA5198a | | | |
| | MIOA5896a | | | |
| | miob6499 | | | |
| | ncr0839 | | | |
| | ncrb3309 | | | |
| | SEOA6414 | | | |
| | SEOA8835 | | | |

Figure 6A - Continued

| | | | |
|---------------|------------------------------------|-------------|---|
| seob4993 | | | |
| 479 seob4036 | Dickkopf gene 3 (DKK-3) | NM_013253.1 | 9 |
| seob5076 | | | |
| seob5368 | | | |
| seob6302 | | | |
| seob7410 | | | |
| seob7591 | | | |
| seob6508 | | | |
| seob6460 | | | |
| 480 hfc7355 | AD-017 protein | AF157318.1 | 9 |
| miob0637 | | | |
| miob3849 | | | |
| ncr0497 | | | |
| ncr2047 | | | |
| ncrb3620 | | | |
| ncrc2619 | | | |
| SEOB0426 | | | |
| seob6346 | | | |
| 481 MIOA2620 | Fn54 | AF001533.2 | 9 |
| MIOA6962a | | | |
| MIOB2658 | | | |
| SEOA0234a | | | |
| SEOA2112n | | | |
| SEOA4877a | | | |
| SEOA6700a | | | |
| seob3659 | | | |
| seob6668 | | | |
| 482 fcrb1202 | HSPC035 protein (LOC51669), NPD003 | NM_016127.1 | 9 |
| fcrb1793 | | | |
| MIOA8011a | | | |
| mioa9619 | | | |
| miob4610 | | | |
| ncrb7141 | | | |
| ncrc8961 | | | |
| SEOB0160 | | | |
| seob4056 | | | |
| 483 hfc73411 | KIAA0164 | D79986 | 9 |
| MIOA6982a | | | |
| miob6652 | | | |
| ncr1587 | | | |
| ncr7163 | | | |
| ncrb1605 | | | |
| ncrc4600 | | | |
| SEOA1857a | | | |
| SEOB2796 | | | |
| 484 SEOA1410a | KIAA0970 | AB023187.1 | 9 |
| ncrb7345 | | | |
| ncrc0079 | | | |
| ncrc8796 | | | |
| ncr5245 | | | |
| MIOA2342a | | | |
| MIOA7096a | | | |
| SEOA1410a | | | |
| SEOA5541a | | | |
| 485 fcrb2101 | KIAA1077 | AB029000.1 | 9 |
| hfc75729 | | | |
| hfc6674 | | | |
| MIOA0142 | | | |
| mioa7831a | | | |

Figure 6A - Continued

| | | | |
|---|--|-------------|---|
| ncrb1479 ncrc5064 SEOA7404a SEOB0832a 486 hfc0894 | prion protein (p27-30) (Creutzfeld-Jakob disease, Gerstmann-Strausler-Scheinker syndrome, fatal familial insomnia) (PRNP) mRNA | NM_000311.1 | 9 |
| MIOA4568a ncr0756 ncr8808 ncr9475 SEOA9156 SEOB1274 seob6510 seob7921 487 miob1938 miob5923 ncr4185 ncrb1447 ncrb6767 ncrb7715 ncrc3713 seob4057 seob7326 488 fcrb1866 | trichorhinophalangeal syndrome I gene (TRPS1) | NM_014112.1 | 9 |
| fcrb2138 HFCR3143 hfc04079 ncr5188 ncr5990 ncr8537 ncr8797 ncrc5691 489 ncr1031 ncrb0511 ncrb5112 ncrb6193 ncrb6267 ncrc6688 SEOA0563A SEOA2089 seob7438 490 miob6290 | activating transCRiption factor 4 (tax-responsive enhancer element B67) (ATF4) | gi4502264 | 9 |
| ncr3778 fcrb0664 ncr3701 ncrb4832 fcrb2182 fcrb2184 miob6290 SOA0384 ncrc9215 491 ncr2785 ncr3795 ncr8982 ncrb2637 ncrb7295 | sox | AF070669 | 9 |
| | TATA box binding protein (TBP)-associated factor, RNA polymerase II, F, 55kD (TAF2F) | NM_005642.1 | 9 |
| | allograft inflammatory factor 1 (AIF1) | NM_001623.2 | 9 |

Figure 6A - Continued

| | | | |
|--------------|---|-------------|---|
| SEOB0185 | | | |
| SEOB1086 | | | |
| seob5634 | | | |
| 492 hfc0770 | heat shock protein 86 (HSP86) | M30626.1 | 9 |
| MIOA2641 | | | |
| miob4473 | | | |
| miob5657 | | | |
| SEOA7643a | | | |
| seob3948 | | | |
| seob4102 | | | |
| seob6120 | | | |
| seob7172 | | | |
| 493 hfc95977 | t-complex-associated-testis-expressed 1-like (TCTE1L)=U02556=RP3 | NM_006520.1 | 9 |
| hfc9302 | | | |
| MIOA4605a | | | |
| miob0178 | | | |
| ncr6595 | | | |
| ncrb1626 | | | |
| ncrb6371 | | | |
| ncrb7887 | | | |
| seob3279n | | | |
| 494 fcrb1013 | matrilin-2 precursor | U69263 | 9 |
| MIOA2505a | | | |
| MIOA4183 | | | |
| MIOA7576a | | | |
| ncr6962 | | | |
| ncrc1434 | | | |
| SEOA4312a | | | |
| seob5815 | | | |
| seob7016 | | | |
| 495 hfc2814 | actin-related protein Arp3 (ARP3)(actin-related protein 3 yeast)homolog(ACTR3) | AF006083.1 | 9 |
| hfc7041 | | | |
| miob0429 | | | |
| miob1451 | | | |
| ncrb0722 | | | |
| SEOB1231 | | | |
| SEOB1683 | | | |
| SEOB1821 | | | |
| seob3910 | | | |
| 496 fcrb1740 | bone sialoprotein (BNSP) | L10363.1 | 9 |
| hfc4350 | | | |
| hfc7527 | | | |
| hfc9174 | | | |
| hfc9481 | | | |
| ncr3210 | | | |
| ncr4925 | | | |
| ncr8863 | | | |
| ncrb3535 | | | |
| 497 hfc3769 | interleukin 1 receptor, type I (IL1R1) = M27492.1 | NM_000877.1 | 9 |
| MIOA5859a | | | |
| ncrb7852 | | | |
| ncrc3434 | | | |
| ncrc3593 | | | |
| SEOA0472 | | | |
| SEOA3124a | | | |
| SEOA7538a | | | |
| SEOA9582 | | | |

Figure 6A - Continued

| | | | | |
|-----|-----------|--|-------------|---|
| 498 | hfc6611 | serine/threonine protein kinase Kp78 splice variant CTAK75a | AF159295.1 | 9 |
| | ncr5080 | | | |
| | ncr5402 | | | |
| | ncr7375 | | | |
| | ncr8672 | | | |
| | ncrb0748 | | | |
| | ncrb6321 | | | |
| | ncrb8176 | | | |
| | ncrc0212 | | | |
| 499 | hfc1879 | latent transforming growth factor beta binding protein 1 (LTBP1) | NM_000627.1 | 9 |
| | hfc2812 | | | |
| | miob3320 | | | |
| | miob3320 | | | |
| | ncr6879 | | | |
| | ncr9199 | | | |
| | ncrb1949 | | | |
| | ncrc5355 | | | |
| | SOA0215 | | | |
| 500 | hfc0029 | MAGUK protein p55T (=AB002323 KIAA0325) | AF162130.1 | 9 |
| | hfc0125 | | | |
| | MIOA0414a | | | |
| | MIOA6312a | | | |
| | miob1180 | | | |
| | ncr6818 | | | |
| | ncr7482 | | | |
| | ncrc5150 | | | |
| | SEOB0656a | | | |
| 501 | MIOA5398a | NAP (nucleosome assembly protein) | M86667 | 9 |
| | ncrc3628 | | | |
| | ncrc4425 | | | |
| | SEOA1480 | | | |
| | SEOA5608a | | | |
| | SEOA6732 | | | |
| | SEOA8482 | | | |
| | SEOA9581 | | | |
| | seob4990 | | | |
| 502 | cr0056N | fragile 16D oxido reductase (FOR) | AF217490.1 | 9 |
| | miob0442 | | | |
| | MIOB0542 | | | |
| | miob0807 | | | |
| | ncr0085 | | | |
| | ncrb1439 | | | |
| | ncrb5156 | | | |
| | ncrb6567 | | | |
| | ncrc2922 | | | |
| 503 | MIOA7275 | factor H homologue | M65294.1 | 9 |
| | ncr1461 | | | |
| | ncr7245 | | | |
| | ncrb5169 | | | |
| | SEOA9270 | | | |
| | SEOB0212 | | | |
| | seob4497 | | | |
| | seob7656 | | | |
| | SOA0615 | | | |
| 504 | hfc1130 | CYTOCHROME C OXIDASE POLYPEPTIDE I | P00395 | 9 |
| | mioa2129m | | | |
| | mioa9650 | | | |

Figure 6A - Continued

| | | | | |
|-----|-----------|---|------------|---|
| | ncr1524 | | | |
| | ncrc3587 | | | |
| | SEOA8874 | | | |
| | SEOB0041 | | | |
| | seob4733 | | | |
| | seob6705 | | | |
| 505 | CR0516 | stathmin (=J04991 p18 protein; Z11566 Pr22 protein) | X53305 | 9 |
| | FCR0287 | | | |
| | FCR5189 | | | |
| | FCR7324 | | | |
| | hfc1707 | | | |
| | hfc1932 | | | |
| | hfc3432 | | | |
| | hfc9692 | | | |
| | SEOB3320 | | | |
| 506 | BFCN0236 | cellular growth-regulating protein | L10844 | 9 |
| | FCR7050 | | | |
| | hfc0317 | | | |
| | hfc9237 | | | |
| | miob5109 | | | |
| | ncrb7266 | | | |
| | ncrc6224 | | | |
| | SEOA2815 | | | |
| | seob6723 | | | |
| 507 | hfc8609 | paired mesoderm homeo box 1 (PMX1) | gi5902023 | 9 |
| | MIOA2603a | | | |
| | MIOA3566a | | | |
| | MIOA4266 | | | |
| | MIOA6413a | | | |
| | MIOA8213 | | | |
| | SEOA2812m | | | |
| | soa2812m | | | |
| | soa0022n | | | |
| 508 | MIOA3194a | PTD014 | AF092135.1 | 9 |
| | MIOA5957a | | | |
| | miob3948 | | | |
| | ncr6233 | | | |
| | SEOA2385a | | | |
| | SEOA2385a | | | |
| | SEOA3027a | | | |
| | SEOA3997a | | | |
| | SOA0639 | | | |
| 509 | hfc6663 | SWI/SNF related, matrix associated (SMARCA1) | gi4507066 | 9 |
| | hfc6783 | | | |
| | hfc9757 | | | |
| | MIOA5781a | | | |
| | MIOA8557 | | | |
| | ncrb8709 | | | |
| | ncrc0997 | | | |
| | SEOA2938a | | | |
| 510 | SEOB1322 | fos proto-oncogene (c-fos) | K00650.1 | 9 |
| | BFC50244 | | | |
| | CR0310 | | | |
| | CR0885 | | | |
| | FCR2161 | | | |
| | FCR3603 | | | |
| | FCR6407 | | | |
| | FCR6636 | | | |
| | hfc0086 | | | |

Figure 6A - Continued

| | | | | |
|-----|--|--|-------------|---|
| 511 | hfc1947 fcrb1823 hfc1947 hfc6465 contigmar21-010016 ncrc3866 ncr4034 ncrb4634 ncrc5209 ncrc3141 | integral membrane protein 2A (ITM2A) | NM_004867.1 | 9 |
| 512 | ncrc0477 ncrc9566 ncrb1169 ncrb2227 ncrc4104 ncrc0073 ncrb2604 ncrb8695 ncrb3783 | ATP synthase F0 subunit 6 (RefSeq aa 8e-74) | 5835393 | 9 |
| 513 | FCR6321 SEOA0311 hfc2343 miob0044 miob6664 hfc0683 miob3050 ncr1268 miob3012 | protein phosphatase 2A catalytic subunit-beta | M60484 | 9 |
| 514 | SEOA5532a miob1135 ncrc6652 SOA0623 mioa9802 seoa7819a ncr0153 MIOA8348 SEOA5938 | semaphorin E | AB000220 | 9 |
| 515 | SEOB1391 ncr0054 ncr0444 ncr3263 ncrb0151 ncrb3135 ncrc3769 ncrc4842 seob4752 | HSPC061 | AF161546.1 | 9 |
| 516 | fcrb2141 hfc1914 hfc6582 ncrb1311 ncrb7920 ncrc3084 ncrc4857 ncrc9811 | heterogeneous nuclear ribonucleoprotein A2/B1 (HNRPA2B1) | NM_002137.1 | 8 |
| 517 | FCR4930 ncr5633 ncr6946 | zinc finger protein 9 (a cellular retroviral nucleic acid binding protein) (ZNF9) | gi4827070 | 8 |

Figure 6A - Continued

| | | | | |
|-----|-----------|--|-------------|---|
| | ncrc7043 | | | |
| | SEOA3122a | | | |
| | SEOA3122a | | | |
| | SEOA9000 | | | |
| | SEOA9545 | | | |
| 518 | hfc0445 | HepG2 | D17039 | 8 |
| | hfc04437 | | | |
| | MIOA8338 | | | |
| | MIOA8533 | | | |
| | miob0781 | | | |
| | miob6582 | | | |
| | SEOB0682a | | | |
| | seob6415 | | | |
| 519 | hfc9622 | laminin B2 chain | M55210 | 8 |
| | MIOA3479a | | | |
| | miob6052 | | | |
| | ncr4986 | | | |
| | ncr9836 | | | |
| | ncrc5436 | | | |
| | ncrc9440 | | | |
| | SEOA0469n | | | |
| 520 | ncr0797 | matrix metalloproteinase 3 (stromelysin 1, progelatinase) (MMP3) | NM_002422.1 | 8 |
| | ncr1230 | | | |
| | ncr6196 | | | |
| | ncr9952 | | | |
| | ncrb1942 | | | |
| | ncrb7181 | | | |
| | ncrb7576 | | | |
| | seoa8105 | | | |
| 521 | MIOA1433 | MRG15 protein (MRG15) | AF100615.1 | 8 |
| | ncr6803 | | | |
| | SEOA1081a | | | |
| | SEOA1993 | | | |
| | SEOA2461a | | | |
| | SEOA3988a | | | |
| | SEOA5471a | | | |
| | SEOA5770 | | | |
| 522 | miob0176 | HSPC025 (HSPC025) | NM_016091.1 | 8 |
| | miob6551 | | | |
| | ncr2940 | | | |
| | ncr8073 | | | |
| | ncrb6026 | | | |
| | ncrb7007 | | | |
| | ncrb8689 | | | |
| | SEOA8649 | | | |
| 523 | MIOA0679 | RGC32 protein (RGC32) | NM_014059.1 | 8 |
| | miob0497 | | | |
| | miob1738 | | | |
| | miob5885 | | | |
| | ncrb4874 | | | |
| | ncrc2581 | | | |
| | SEOA1471a | | | |
| | SEOA9706 | | | |
| 524 | hfc0534 | NADH-ubiquinone oxidoreductase AGGG subunit precursor homolog | AF067166.1 | 8 |
| | hfc1696 | | | |
| | hfc4188 | | | |
| | hfc5920 | | | |

Figure 6A - Continued

| | | | | |
|-----|-----------|---|-------------|---|
| | miob6937 | | | |
| | SEOA4159a | | | |
| | seob4579 | | | |
| | seob5205 | | | |
| 525 | CR0069 | ubiquitin gene | U49869 | 8 |
| | hfcr0117 | | | |
| | hfcr9063 | | | |
| | miob0436 | | | |
| | ncr0284 | | | |
| | SEOA4681a | | | |
| | SEOA4850a | | | |
| | seob5588 | | | |
| 526 | fcrb0211 | karyopherin alpha 4 (=importin alpha 3) (KPNA4) | NM_002268.1 | 8 |
| | hfcr3362 | | | |
| | miob3406 | | | |
| | miob3857 | | | |
| | ncr1396 | | | |
| | ncr5599 | | | |
| | SEOB3326 | | | |
| | seob6350 | | | |
| 527 | FCR2914N | DEAD-box protein (BAT1) gene | AF029062.1 | 8 |
| | FCR3076 | | | |
| | hfcr0459 | | | |
| | hfcr0550 | | | |
| | hfcr0957 | | | |
| | hfcr2546 | | | |
| | hfcr2834 | | | |
| | hfcr6934 | | | |
| 528 | fcrb2112 | glutaminyI-tRNA synthetase(QARS) | NM_005051.1 | 8 |
| | hfcr0096 | | | |
| | hfcr0192 | | | |
| | hfcr2766 | | | |
| | hfcr2809 | | | |
| | hfcr2825 | | | |
| | hfcr3010 | | | |
| | hfcr4023 | | | |
| 529 | FCR3890 | GOLGI 4-TRANSMEMBRANE SPANNING TRANSPORTER MTP (KIAA0108) | spQ15012 | 8 |
| | MIOA0038a | | | |
| | MIOA3786 | | | |
| | MIOA4007a | | | |
| | MIOA8794 | | | |
| | SEOA2844 | | | |
| | SEOA8588 | | | |
| | seob7923 | | | |
| 530 | fcrb0050 | high-mobility group (nonhistone chromosomal) protein 17 (HMG17) | NM_005517.1 | 8 |
| | fcrb0623 | | | |
| | hfcr0831 | | | |
| | hfcr5835 | | | |
| | hfcr7819 | | | |
| | hfcr8813 | | | |
| | miob6477 | | | |
| | SEOB1911 | | | |
| 531 | MIOA1492m | tumor neCRosis factor-inducible (TSG-6) | M31165 | 8 |
| | MIOA5836a | | | |
| | MIOA6532a | | | |
| | miob4878 | | | |
| | SEOA1334 | | | |

Figure 6A - Continued

| | | | |
|---------------|--|-------------|---|
| seoa3146m | | | |
| SEOA6321 | | | |
| SEOA6545a | | | |
| 532 hfc0214 | antigen NY-CO-33 (NY-CO-33) | AF039698.1 | 8 |
| hfc0252 | | | |
| hfc0262 | | | |
| hfc0308 | | | |
| hfc0343 | | | |
| hfc0941 | | | |
| hfc1392 | | | |
| hfc4696 | | | |
| 533 FCR1442 | anti-oxidant protein 2 (non-selenium glutathione peroxidase, acidic calcium-independent phospholipase A2) (KIAA0106) | NM_004905.1 | 8 |
| FCR7137 | | | |
| hfc0510 | | | |
| hfc9490 | | | |
| ncrb1614 | | | |
| ncrb3101 | | | |
| SEOA8541 | | | |
| SEOB2161 | | | |
| 534 fcr0540n | constitutive fragile region FRA3B | AF152363.1 | 8 |
| MIOA7239a | | | |
| miob6678 | | | |
| ncr8376 | | | |
| ncrc2927 | | | |
| ncrc7083 | | | |
| SEOB0025 | | | |
| seob5222 | | | |
| seob8024 | | | |
| 535 MIOA3282a | KIAA0242 | D87684 | 8 |
| miob1327 | | | |
| miob3761 | | | |
| ncr0541 | | | |
| ncr7342 | | | |
| ncrb3564 | | | |
| ncrb4340 | | | |
| 536 fcrb2658 | KIAA0663 | AB014563 | 8 |
| MIOA3650a | | | |
| ncr0546 | | | |
| ncrc1725 | | | |
| SEOA1910 | | | |
| SEOA2506 | | | |
| SEOA3218 | | | |
| SEOA6088a | | | |
| 537 hfc0404 | UDP-glucose pyrophosphorylase 2 (ORF) | NM_006759.1 | 8 |
| MIOA4634a | | | |
| mioa9235 | | | |
| mioa9809 | | | |
| miob4006 | | | |
| ncrb1580 | | | |
| SEOA4453a | | | |
| SEOA9892 | | | |
| 538 FCR7272 | palmitoyl-protein thioesterase (PPT) | AF022211 | 8 |
| MIOA4166 | | | |
| ncr1140 | | | |
| ncrc2500 | | | |
| SEOA1377 | | | |
| SEOA3557a | | | |

Figure 6A - Continued

| | | | |
|--|---|-------------|---|
| SEOA6041a SEOA6747 539 miaa7866 | N-acylsphingosine amidohydrolase (ASAH) (acid ceramidase) | NM_004315.1 | 8 |
| ncr0632 ncr1711 ncr4133 ncr9209 SEOA1375 SEOA3768a SEOA5606a seob3717 | | | |
| 540 fcrb1283 | prostatic binding protein (PBP) | NM_002567.1 | 8 |
| hfcr0715 hfcr3806 mioa9396 ncrb6331 ncrc3457 ncrc6961 seob5142 | | | |
| 541 hfcr3516 | CYTOCHROME C OXIDASE POLYPEPTIDE II | spP00403 | 8 |
| hfcr3903 miob1708 ncr7588 ncrb8408 SEOA8827 seob3744 seob7435 | | | |
| 542 FCR3798 | ornithine aminotransferase | M29927 | 8 |
| hfcr4129 hfcr6796 MIOA1928a ncrb5224 ncrc5948 SEOA4323a SEOA8348a | | | |
| 543 MIOA7421a | basic transcription element binding protein 1 (BTEB1) | NM_001206.1 | 8 |
| ncrb1206 ncrb4351 ncrc1907 ncrc2210 ncrc2736 ncrc4464 ncrc9041 | | | |
| 544 FCR0154 | Huntingtin interacting protein | AF049103 | 8 |
| FCR4419 hfcr2784 hfcr2956 ncr3376 ncrb1833 ncrc1703 SEOA7448a | | | |
| 545 FCR0366 | thyroid hormone binding protein (p55) (=M22806 prolyl 4- hydroxylase beta-subunit and disulfide isomerase (P4HB)) | J02783 | 8 |
| FCR6276 FCR6937 fcrb1423 fcrb2193 | | | |

Figure 6A - Continued

| | | | |
|---------------|---|-------------|---|
| hfc4252 | | | |
| SEOA5373 | | | |
| SEOB0257 | | | |
| 546 FCR3819 | ISLR (immunoglobulin superfamily containing leucine-rich AB024537 repeat) gene, | | 8 |
| hfc3612 | | | |
| hfc7582 | | | |
| hfc9389 | | | |
| hfc9523 | | | |
| ncrb8735 | | | |
| SEOA2639 | | | |
| seob4629 | | | |
| 547 hfc6771 | biglycan BGN | U11686.1 | 8 |
| hfc8516 | | | |
| miob4757 | | | |
| ncrc1193 | | | |
| SEOA2971a | | | |
| SEOB0194 | | | |
| SEOB2292 | | | |
| seob6134 | | | |
| 548 hfc0921 | PPP1R5 | AF110824.1 | 8 |
| MIOA0311n | | | |
| miob6636 | | | |
| miob6636 | | | |
| ncr6733 | | | |
| ncrb5130 | | | |
| ncrb6542 | | | |
| SEOA9074 | | | |
| 549 hfc5942 | MADS/MEF2-family transcription factor (MEF2C) mRNA, L08895.1 complete cds | | 8 |
| ncr0925 | | | |
| ncr2301 | | | |
| ncr8396 | | | |
| ncrb2831 | | | |
| ncrb7924 | | | |
| ncrc1442 | | | |
| ncrc2444 | | | |
| 550 ncr0676 | RAN binding protein 2 (RANBP2) | NM_006267.2 | 8 |
| ncrb1705 | | | |
| ncrb8364 | | | |
| ncrc0771 | | | |
| SEOA0836 | | | |
| SEOA1186A | | | |
| SEOA3500a | | | |
| SEOA3575a | | | |
| 551 MIOA3594a | insulin-like growth factor I | X57025 | 8 |
| mioa9989 | | | |
| ncr0893 | | | |
| ncr8032 | | | |
| ncrb3026 | | | |
| ncrc3893 | | | |
| ncrc4828 | | | |
| seob4198 | | | |
| 552 seob8029 | single-stranded DNA-binding protein (SSBP), nuclear gene encoding mitochondrial protein | NM_003143.1 | 8 |
| miob1235 | | | |
| miob3098 | | | |
| SEOA8240 | | | |
| seob5993 | | | |

Figure 6A - Continued

| | | | | |
|-----|-----------|--|-------------|---|
| 553 | MIOA7417a | Nck-associated protein 1 (Nap1) (=AB011159 KIAA0587) | AB014509.1 | 8 |
| | MIOA8238 | | | |
| | MIOA9100 | | | |
| | miob1334 | | | |
| | miob3047 | | | |
| | ncr8026 | | | |
| | SEOA4587 | | | |
| | SEOA7215a | | | |
| 554 | miob6717 | cisplatin resistance-associated overexpressed protein | AB034205.1 | 8 |
| | ncr5828 | | | |
| | ncrb0743 | | | |
| | ncrb2032 | | | |
| | ncrc3881 | | | |
| | SEOA8800 | | | |
| | SEOA9509 | | | |
| | SEOB3559 | | | |
| 555 | MIOA5786a | dihydropyrimidinase-like 3 (DPYSL3) | NM_001387.1 | 8 |
| | ncr8736 | | | |
| | ncr9724 | | | |
| | SEOA0743 | | | |
| | SEOA6507a | | | |
| | SEOB0093 | | | |
| | SEOB0891a | | | |
| | SEOB1584 | | | |
| 556 | fcrb2457 | KIAA0102 | D14658 | 8 |
| | MIOA4552a | | | |
| | ncr9174 | | | |
| | ncrb3625 | | | |
| | SEOA1422a | | | |
| | seoa6847 | | | |
| | SEOA7060a | | | |
| | SEOB1193 | | | |
| 557 | MIOA1403a | KIAA0191 (zinc finger homolog) | D83776 | 8 |
| | MIOA3292a | | | |
| | MIOA3303a | | | |
| | miob3381 | | | |
| | ncr4974 | | | |
| | ncr5387 | | | |
| | ncrc6700 | | | |
| | SEOA1963a | | | |
| 558 | FCR0338 | NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 5 (13kD, B13) (NDUFA5) | NM_005000.1 | 8 |
| | MIOA4149 | | | |
| | miob2985 | | | |
| | ncrb0256 | | | |
| | ncrc4121 | | | |
| | SEOA6508a | | | |
| | SEOA8194a | | | |
| | seob6851 | | | |
| 559 | ncr1976 | proteasome (prosome, macropain) 26Ssubunit, ATPase, 1 (RefSeq aa 1e-56) | NP_002793.1 | 8 |
| | ncr2459 | | | |
| | ncrb0874 | | | |
| | ncrb4777 | | | |
| | ncrc0393 | | | |
| | ncrc3030 | | | |
| | ncrc4306 | | | |
| | ncrc5716 | | | |

Figure 6A - Continued

| | | | | |
|-----|-----------|---|-------------|---|
| 560 | ncr1743 | lysosomal-associated protein transmembrane 4 alpha (MBNT) | NM_014713.1 | 8 |
| | ncrb2628 | | | |
| | ncrb2897 | | | |
| | ncrb8558 | | | |
| | ncrc0855 | | | |
| | ncrc5950 | | | |
| | ncrc9127 | | | |
| | SEOB2726 | | | |
| 561 | hfcr1201 | adaptor-related protein complex 3, sigma 1 subunit (CLAPS3) | NM_001284.1 | 8 |
| | hfcr7699 | | | |
| | ncr8459 | | | |
| | ncrb0323 | | | |
| | ncrb2391 | | | |
| | SEOA8808 | | | |
| | seob5433 | | | |
| | seob6879 | | | |
| 562 | FCR1783 | nidogen-2 | AJ223500 | 8 |
| | FCR5462 | | | |
| | hfcr0417 | | | |
| | ncrb4856 | | | |
| | ncrb6659 | | | |
| | ncrc4006 | | | |
| | SEOA1496n | | | |
| | SEOA8986 | | | |
| 563 | FCR3322 | melanoma growth regulatory protein MIA | X75450 | 8 |
| | FCR4048 | | | |
| | hfcr4223 | | | |
| | hfcr6761 | | | |
| | ncr7560 | | | |
| | ncr9772 | | | |
| | ncrc0635 | | | |
| | ncrc3620 | | | |
| 564 | FCR2323 | Arp2/3 protein complex subunit p16 (ARC16) (=AF006088 NM_005717.1 (ORF) | | 8 |
| | FCR2644 | | | |
| | hfcr9709 | | | |
| | miob0293 | | | |
| | SEOA2424a | | | |
| | SEOA4634a | | | |
| | ncrc6996 | | | |
| | SEOA7952a | | | |
| 565 | mioa1112m | Kallmann syndrome 1 (KAL1) (=ADMLX=putative adhesion molecule) | NM_000216.1 | 8 |
| | MIOA8433 | | | |
| | MIOA8937 | | | |
| | miob0390 | | | |
| | miob3344 | | | |
| | ncr0262 | | | |
| | ncrc3092 | | | |
| | SEOA2854 | | | |
| 566 | hfcr9289 | apoptosis related protein APR-1 | AF143235.2 | 8 |
| | hfcr9945 | | | |
| | MIOA4465a | | | |
| | MIOB2840 | | | |
| | ncrc5217 | | | |
| | ncrc6548 | | | |
| | SEOA2775 | | | |

Figure 6A - Continued

| | | | |
|--------------|---|-------------|---|
| SEOB0514 | | | |
| 567 SEOB0044 | TRAM protein | CAA45218.1 | 8 |
| ncr8069 | | | |
| ncrb5345 | | | |
| SEOA1969a | | | |
| SEOB1430 | | | |
| fcrb1835 | | | |
| ncrb8586 | | | |
| ncrb3980 | | | |
| 568 hfcr1115 | 1-8U gene from interferon-inducible gene family | X57352.1 | 8 |
| FCR2512 | | | |
| FCR6593 | | | |
| FCR7190 | | | |
| fcrb0784 | | | |
| hfcr3885 | | | |
| ncr3926 | | | |
| ncrc3046 | | | |
| 569 miob5752 | splicing factor SRp40-1 (SRp40) | U30826.1 | 8 |
| MIOA1341a | | | |
| MIOA3031a | | | |
| ncrb5570 | | | |
| ncrb8614 | | | |
| ncrc1114 | | | |
| ncrc9428 | | | |
| seob5734 | | | |
| 570 ncrc2673 | ORF2 contains a reverse transcriptase domain | AAA51622.1 | 8 |
| miob6537 | | | |
| ncr9356 | | | |
| ncrb8417 | | | |
| ncrc0737 | | | |
| ncrc9952 | | | |
| seob6537 | | | |
| seob6876 | | | |
| 571 seob6876 | ORF2 contains a reverse transcriptase domain | AAB59368.1 | 8 |
| ncrc0737 | | | |
| ncrc9952 | | | |
| miob6537 | | | |
| ncr9356 | | | |
| ncrb8417 | | | |
| ncrc2673 | | | |
| seob6537 | | | |
| 572 ncrb5570 | splicing factor, arginine/serine-rich 5 (RefSeq aa 1e-54) | NP_008856.1 | 8 |
| MIOA1341a | | | |
| MIOA3031a | | | |
| miob5752 | | | |
| ncrb8614 | | | |
| ncrc1114 | | | |
| ncrc9428 | | | |
| seob5734 | | | |
| 573 seob8063 | REIC/Dkk-3 | AB034203.1 | 8 |
| ncr6594 | | | |
| ncr9379 | | | |
| ncr2864 | | | |
| ncr5057 | | | |
| ncrb3596 | | | |
| ncr4533 | | | |
| ncrc3260 | | | |

Figure 6A - Continued

| | | | | |
|-----|--|---|-------------|---|
| 574 | miob2957 miob3015 miob4294 ncr3291 seob4617 seob6019 seob8000 | Golgi autoantigen, golgin subfamily a, 4 (GOLGA4) | NM_002078.2 | 7 |
| 575 | miob6968 ncrb2788 ncrb8154 ncrc0218 ncrc0868 ncrc6123 seob3716 | complement component 1, s subcomponent (C1S) | NM_001734.1 | 7 |
| 576 | FCR5083 hfcr1267 hfcr5657 ncrb1959 ncrc4152 SEOA5076a seob4654 | reticulocalbin 2, EF-hand calcium binding domain (RCN2) =X78669 (ORF) | NM_002902.1 | 7 |
| 577 | hfcr0154 hfcr0227 mioa9587 ncr0019 SEOA6115a SEOA9637 seob4170 | Eukaryotic translation initiation factor 2, subunit 2 (beta, 38kD)(EIF2S2) | NM_003908.1 | 7 |
| 578 | mioa7660a MIOA8182 miob1947 SEOA2726 SEOA4144a seoa8033 seoa8121 | 5' nucleotidase (EC 3.1.3.5) | X55740 | 7 |
| 579 | ncr7434 ncr8522 ncrb2248 ncrb7408 ncrc0040 ncrc4397 SEOA9287 | interferon induced transmembrane protein 1 (9-27) (IFITM1) | NM_003641.1 | 7 |
| 580 | FCR7561 MIOA6376a ncr1229 ncr3973 ncrc9343 SEOA4813a SEOA7942a | transforming, acidic coiled-coil containing protein 1 (TACC1=AF049910) | NM_006283.1 | 7 |
| 581 | FCR0027 CR0022 CR0838 FCR0335 FCR1281 FCR6026 | fau | X65923 | 7 |

Figure 6A - Continued

| | | | | |
|-----|--|--|-------------|---|
| 582 | fcrb2480 hfcr0372 ncr5872 ncrb4396 ncrb6434 SEOB3182 | KIAA0372 | AB002370.1 | 7 |
| 583 | ncr5571 ncr9674 ncrc0625 ncrc4059 SEOA2371a seoa6779 SEOB3088 | MEK binding partner 1 | AF201947.1 | 7 |
| 584 | hfcr7351 hfcr8238 hfcr8576 MIOA3163a MIOA6904a miob5826 miob5889 | stearoyl-CoA desaturase | AB032261.1 | 7 |
| 585 | MIOA2698a MIOA5481a miob0916 miob4849 ncrc2327 ncrc3585 seob4085 | protein immuno-reactive with anti-PTH polyclonal antibodies | U28831.1 | 7 |
| 586 | MIOA2922a MIOA4698 miob6055 SEOA8388a SEOA8525 seob4430 seob7352 | AgX-1 antigen | S73498 | 7 |
| 587 | MIOA1726a MIOA8952 mioa9333 ncr6956 ncrc4093 ncrc5141 ncrc7000 | erythrocyte membrane protein band 4.1-like 2 (EPB41L2) NM_001431.1 | | 7 |
| 588 | hfcr0788 hfcr6249 hfcr7663 miob0865 ncrb1772 ncrb2278 ncrc1976 | valosin-containing protein(VCP) | NM_007126.2 | 7 |
| 589 | hfcr5792 miob3917 miob4440 ncr3887 ncrb0269 ncrb5707 seob5739 | clathrin, light polypeptide (Lca) (CLTA) | NM_007096.1 | 7 |
| 590 | MIOA0176 MIOA3826 | spectrin SH3 domain binding protein 1 (SSH3BP1) | NM_005470.1 | 7 |

Figure 6A - Continued

| | | | | |
|-----|-----------|--|-------------|---|
| | MIOA7455a | | | |
| | ncrb3386 | | | |
| | SEOA3117a | | | |
| | SEOA9034 | | | |
| | SEOB3560 | | | |
| 591 | hfcr2150 | dual specificity phosphatase 1 (DUSP1) | NM_004417.2 | 7 |
| | miob4625 | | | |
| | ncr1771 | | | |
| | ncrb2780 | | | |
| | ncrb8457 | | | |
| | ncrc6322 | | | |
| | SEOB3360 | | | |
| 592 | hfcr0742 | p75NTR-associated cell death executor (NADE) | AF187064.1 | 7 |
| | hfcr5900 | | | |
| | hfcr6598 | | | |
| | mioa9711 | | | |
| | SEOA8612 | | | |
| | seob5922 | | | |
| | seob7019 | | | |
| 593 | fcrb1871 | GW128 | AF107406 | 7 |
| | MIOA5951a | | | |
| | ncr5777 | | | |
| | ncrb2246 | | | |
| | SEOA2283a | | | |
| | SEOA5893 | | | |
| | SEOB0414 | | | |
| 594 | hfcr0320 | HSPC194 | AF151028.1 | 7 |
| | hfcr1288 | | | |
| | ncr4712 | | | |
| | ncr6391 | | | |
| | SEOB1118 | | | |
| | seob6526 | | | |
| | seob7915 | | | |
| 595 | MIOA3349a | HSPC238 | AF151072.1 | 7 |
| | mioa9794 | | | |
| | miob3168 | | | |
| | miob4900 | | | |
| | ncr4118 | | | |
| | SEOA3706a | | | |
| | SEOA7566a | | | |
| 596 | MIOA2079n | IDN3 | AB019494.1 | 7 |
| | MIOA8014a | | | |
| | ncr2587 | | | |
| | ncr6577 | | | |
| | ncrc1235 | | | |
| | ncrc5589 | | | |
| | seob3264 | | | |
| 597 | hfcr9534 | KIAA0069 gene | D31885.1 | 7 |
| | MIOA2596a | | | |
| | miob6597 | | | |
| | ncrb1387 | | | |
| | ncrb6004 | | | |
| | ncrb8172 | | | |
| | seob8247 | | | |
| 598 | FCR5589 | KIAA0143 gene | D63477.1 | 7 |
| | hfcr1653 | | | |
| | hfcr5817 | | | |
| | miob0363 | | | |
| | ncr0554 | | | |

Figure 6A - Continued

| | | | |
|----------------------|---|-------------|---|
| ncrc5077 seob7504 | | | |
| 599 hfc5121 | KIAA0332 | AB002330 | 7 |
| MIOA5061a | | | |
| MIOA8854 | | | |
| miob1453 | | | |
| ncrb7252 | | | |
| SEOA1882 | | | |
| seob3935 | | | |
| 600 FCR5903 | non-metastatic cells 2, protein (NM23B) expressed in (NME2) | NM_002512.1 | 7 |
| fcrb2089 | | | |
| hfc6484 | | | |
| hfc9556 | | | |
| miob3477 | | | |
| ncrb3217 | | | |
| seob5403 | | | |
| 601 FCR4406 | over-expressed breast tumor protein | L34839 | 7 |
| MIOA0278 | | | |
| MIOA0763n | | | |
| ncr4716 | | | |
| ncrb1136 | | | |
| ncrb5142 | | | |
| ncrc9744 | | | |
| 602 hfc3691 | PRO0530 | AF111849.1 | 7 |
| MIOA9161 | | | |
| miob2527 | | | |
| SEOB1197 | | | |
| seob5460 | | | |
| seob7437 | | | |
| seob7994 | | | |
| 603 fcrb1337 | PTD010 | AF078863.1 | 7 |
| hfc3498 | | | |
| MIOA6242a | | | |
| miob3002 | | | |
| SEOA0008 | | | |
| seob7764 | | | |
| miob3002 | | | |
| 604 MIOA1626a | glyoxalase-I (GLO1) | AF146651.1 | 7 |
| MIOA7480a | | | |
| miob2437 | | | |
| ncrb2645 | | | |
| ncrc0180 | | | |
| SEOA4826a | | | |
| SEOB1339 | | | |
| 605 FCR2714 | high density lipoprotein binding protein (HBP) | M64098 | 7 |
| FCR4465 | | | |
| FCR6028 | | | |
| FCR7362 | | | |
| hfc6389 | | | |
| miob3907 | | | |
| SEOA4548 | | | |
| 606 hfc0493 | eukaryotic translation initiation factor 3, subunit 3 (gamma, 40kD) | gi4503514 | 7 |
| hfc0556 | | | |
| hfc5388 | | | |
| ncrc2097 | | | |
| SEOA5577a | | | |
| SEOA7122a | | | |

Figure 6A - Continued

| | | | | |
|-----|--|--|-------------|---|
| 607 | SEOB1986 fcrb1402 MIOA6594a ncr0638 ncrb2161 ncrc2325 ncrc5650 seob6577 | cathepsin L (CTSL) | NM_001912.1 | 7 |
| 608 | MIOA4785a MIOA7191a ncr1232 ncrb1831 ncrc0913 SEOA7443a seob4175 | sorting nexin 6 (SNX6) | AF121856.1 | 7 |
| 609 | FCR3132 hfc0708 MIOA5447a ncr7758 ncrc8873 seoa7981 seob4821 | KDEL (Lys-Asp-Glu-Leu) endoplasmic reticulum protein retention receptor 2(KDEL2) | NM_006854.2 | 7 |
| 610 | fcr1387n ncr2493 ncrb7249 ncrc0131 ncrc4374 ncrc9387 ncrc9528 | nuclear factor of kappa light polypeptide gene enhancer in B-cells 1(NFKB1) gene, complete cds | AF213884.1 | 7 |
| 611 | SEOA1765a SEOA3645a SEOA7323a SEOB0415 SEOB3171 seob7880 SEOA8181a | transCRiptional coactivator PC4 | U12979 | 7 |
| 612 | fcrb0265 fcrb0734 miob3473 ncrb8307 ncrc5850 SEOA9477 SEOB0715a | poly(rC)-binding protein 1 (PCBP1) | NM_006196.1 | 7 |
| 613 | MIOA9057 ncr6286 ncrc1045 ncrc1583 ncrc6523 SEOA0200A SEOA9355 | Ia-associated invariant gamma-chain gene | M13560 | 7 |
| 614 | hfc5847 hfc8920 mioa5881an miob6511 ncr8575 ncrc3661 seoa7782a | immunoglobulin lambda gene | D87003.1 | 7 |

Figure 6A - Continued

| | | | | |
|-----|-----------|---|-------------|---|
| 615 | HFCR3185 | uncharacterized bone marrow protein BM034 (=AK000571 FLJ20564 fis) (=P11142 HEAT SHOCK COGNATE 71 KD PROTEIN) | AF217511.1 | 7 |
| | MIOB2229 | | | |
| | ncrb4087 | | | |
| | ncrb4095 | | | |
| | ncrb6427 | | | |
| | seob5099 | | | |
| | seob6408 | | | |
| 616 | fcrb1174 | small membrane protein 1 (SMP1) | AF081282 | 7 |
| | hfcr9094 | | | |
| | miob1924 | | | |
| | miob4634 | | | |
| | SEOA0486 | | | |
| | SEOB3236 | | | |
| | seob5016 | | | |
| 617 | hfcr2256 | chondroitin sulfate proteoglycan 2 (versican) (CSPG2) | NM_004385.1 | 7 |
| | MIOA4716 | | | |
| | miob6865 | | | |
| | ncrb1501 | | | |
| | ncrb4916 | | | |
| | ncrb7145 | | | |
| | ncrc7070 | | | |
| 618 | FCR1983 | dermatan sulfate proteoglycan 3 (DSPG3) | U59111 | 7 |
| | FCR2582 | | | |
| | FCR5067 | | | |
| | fcrb2122 | | | |
| | hfcr2037 | | | |
| | hfcr6461 | | | |
| | hfcr9524 | | | |
| 619 | hfcr8818 | stromal cell derived factor receptor 1 (SDFR1) | NM_012428.1 | 7 |
| | mioa9880 | | | |
| | SEOA6039a | | | |
| | SEOA8246 | | | |
| | SEOA9170 | | | |
| | SEOB1931 | | | |
| | seob7278 | | | |
| 620 | hfcr9418 | ras-related GTP-binding protein | AF106681.1 | 7 |
| | MIOA5884a | | | |
| | miob1006 | | | |
| | MIOB2285 | | | |
| | ncrc1176 | | | |
| | SEOB1490 | | | |
| | seob6333 | | | |
| 621 | FCR1420 | cytosolic thyroid hormone-binding protein (=M23725 M2- type pyruvate kinase) | M26252 | 7 |
| | FCR2940 | | | |
| | hfcr3717 | | | |
| | hfcr4897 | | | |
| | hfcr5087 | | | |
| | ncrb1999 | | | |
| | ncrb6924 | | | |
| 622 | hfcr6490 | SLC11A3 iron transporter | AF215636.1 | 7 |
| | miob2424 | | | |
| | ncr1325 | | | |
| | ncrb7383 | | | |
| | SEOB3027 | | | |
| | SEOB3322 | | | |
| | seob5451 | | | |

Figure 6A - Continued

| | | | | |
|-----|--|--|-------------|---|
| 623 | MIOA6841a MIOA8820 miob3261 ncr1544 ncrb3098 ncrb6810 ncrc3718 | syntaxin 8 | AAD20831.1 | 7 |
| 624 | miob4513 ncr0865 ncr6827 SEOA5447 SEOA9187 SEOB0637a seob4362 | vascular cell adhesion molecule 1 (VCAM1) | M30257 | 7 |
| 625 | fcrb2317 MIOA5729a miob1953 miob6209 SEOA3644a SEOA3930 SEOA3931 | GTP-binding protein Sara | AF092130.1 | 7 |
| 626 | FCR0472 FCR5699 FCR5699 hfcr7895 ncr0368 ncrc1859 ncrc2508 | interCRine-alpha (HIRH) | U19495 | 7 |
| 627 | miob6611 ncr2368 ncr5299 ncrc9411 SEOA9020 SEOB0209 seob6757 | line-1 protein ORF2 (=p150) | B28096 | 7 |
| 628 | mioa9336 miob3741 ncrc4955 SEOA1145a SEOA5864 SEOB0761 seob5146 | small acidic protein | U51678 | 7 |
| 629 | hfcr0328 hfcr7793 hfcr8745 hfcr9633 miob6029 ncr6010 ncr6011 | small EDRK-rich factor 2 (SERF2) | NM_005770.1 | 7 |
| 630 | SEOB1145 FCR4880 MIOA2871a MIOA5667 SEOA1308 SEOA2478 SEOB2195 | ATP SYNTHASE E CHAIN, MITOCHONDRIAL | spP56385 | 7 |
| 631 | seob6198 hfcr7749 seob6778 | ubiquitin-conjugating enzyme E2 variant 1 (UBE2V1) | NM_003349.1 | 7 |

Figure 6A - Continued

| | | | |
|---------------|--|-------------|---|
| ncrb4067 | | | |
| ncr6539 | | | |
| ncr5375 | | | |
| ncrc1540 | | | |
| 632 seob4160 | zinc finger protein SLUG (SLUG) gene | AF084243.1 | 7 |
| MIOA0736 | | | |
| SEOB0458 | | | |
| fcr5448n | | | |
| hfcr6324 | | | |
| hfcr0535 | | | |
| ncrc3727 | | | |
| 633 ncrb4517 | RNA binding motif protein 8B (RBM8B) | AF231512.1 | 7 |
| ncr1126 | | | |
| ncrb5449 | | | |
| ncrc1132 | | | |
| ncrc3039 | | | |
| seoa7034 | | | |
| seoa8071 | | | |
| 634 MIOA2818a | CGI-149 protein | AF151907.1 | 7 |
| MIOB1538 | | | |
| fcr6041n | | | |
| hfcr7079 | | | |
| miob1828 | | | |
| MIOA5860a | | | |
| ncr6947 | | | |
| 635 FCR6330 | elastin (ELN) | U62292 | 7 |
| CR0193 | | | |
| FCR7104 | | | |
| fcrb1340 | | | |
| hfcr3614 | | | |
| hfcr1211 | | | |
| hfcr3539 | | | |
| 636 SEOB3204 | non-histone chromosomal protein (HMG-1) | L08048.1 | 7 |
| miob4189 | | | |
| ncr6311 | | | |
| miob1888 | | | |
| miob1911 | | | |
| SEOA9563 | | | |
| hfcr5965 | | | |
| 637 miob3443 | KIAA0038 gene | D26068.1 | 7 |
| hfcr6464 | | | |
| hfcr6922 | | | |
| FCR0177 | | | |
| SEOB1862 | | | |
| miob3164 | | | |
| ncrb2299 | | | |
| 638 seob8232 | NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 8 (19kD, ASH1) (NDUFB8) | NM_005004.1 | 7 |
| hfcr2763 | | | |
| ncr7871 | | | |
| ncr1351 | | | |
| SEOB0754 | | | |
| SEOA2750 | | | |
| FCR7018 | | | |
| 639 MIOA7373a | esterase D | AF112219 | 7 |
| hfcr3894 | | | |
| ncrb6449 | | | |
| ncrc2584 | | | |
| SEOA8884 | | | |

Figure 6A - Continued

| | | | | |
|---------------|---|-------------|---|--|
| SOA0558 | | | | |
| seoa7761a | | | | |
| 640 SEOB1586 | lost on transformation LOT1 (=PLAGL1) | U72621.2 | 7 | |
| seoa7702a | | | | |
| FCR1645 | | | | |
| MIOA0694 | | | | |
| MIOA5302a | | | | |
| SOA0537 | | | | |
| SEOA0187a | | | | |
| 641 SEOA1215A | N2A3 (=DPYSL2) (=dihydropyrimidinase related protein-2) | U97105 | 7 | |
| SEOB0541 | | | | |
| MIOA2580a | | | | |
| SEOA7570a | | | | |
| BFC50014 | | | | |
| SEOA5084a | | | | |
| MIOA2251a | | | | |
| 642 MIOA7378a | SON DNA binding protein (SON) | X63753 | 7 | |
| mioa7825a | | | | |
| seoa6989 | | | | |
| seoa7755a | | | | |
| miob3236 | | | | |
| hfc3835 | | | | |
| hfc8812 | | | | |
| 643 MIOA8646 | polyposis locus (DP1 gene) | M73547 | 7 | |
| FCR3416 | | | | |
| MIOA2481a | | | | |
| MIOA3331a | | | | |
| mioa7661a | | | | |
| SEOA6263 | | | | |
| SOA0704 | | | | |
| 644 ncr0259 | LENG7 mRNA, (=PRO2003 mRNA)(= elongation factor EF-1-alpha) | AF211972.1 | 7 | |
| ncrc8859 | | | | |
| ncr6859 | | | | |
| ncrb1451 | | | | |
| ncrb3131 | | | | |
| ncr9141 | | | | |
| ncr9066 | | | | |
| 645 fcrb2212 | matrilin 1, cartilage matrix protein (MATN1) | NM_002379.2 | 7 | |
| fcrb2015 | | | | |
| hfc4662 | | | | |
| hfc5095 | | | | |
| hfc6275 | | | | |
| hfc6557 | | | | |
| hfc6842 | | | | |
| 646 miob4343 | NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 1 (7kD, MNLL) (NDUFB1) | NM_004545.1 | 6 | |
| ncr5880 | | | | |
| ncrb5160 | | | | |
| ncrc2991 | | | | |
| ncrc3595 | | | | |
| seob6132 | | | | |
| 647 MIOA8804 | proteasome (prosome, maCRopain) subunit, beta type, 1 (PSMB1) | NM_002793.1 | 6 | |
| miob3003 | | | | |
| miob3918 | | | | |
| miob5845 | | | | |
| seob5335 | | | | |

Figure 6A - Continued

| | | | |
|---------------|---|-------------|---|
| seob7425 | | | |
| 648 hfc0695 | Deleted in oral cancer-1 (DOC1) | NM_004642.1 | 6 |
| hfc5791 | | | |
| SEOA9163 | | | |
| SEOB3064 | | | |
| seob5592 | | | |
| seob7274 | | | |
| 649 CR0179 | cyclophilin-related protein (NKTR) gene (=PAC RPC14-613B23) | AF184110.1 | 6 |
| fcrb2005 | | | |
| MIOA2794a | | | |
| ncr4738 | | | |
| ncrb5521 | | | |
| seob7631 | | | |
| 650 MIOA9065 | NADH-UBIQUINONE OXIDOREDUCTASE CHAIN 1 | spP03886 | 6 |
| mioa9854 | | | |
| miob0811 | | | |
| ncrb8640 | | | |
| ncrc3776 | | | |
| seob6568 | | | |
| 651 FCR2959 | myristoylated alanine-rich C-kinase substrate (=D10522 80K-L protein) | M68956 | 6 |
| fcrb1666 | | | |
| hfc9755 | | | |
| ncrb3284 | | | |
| ncrc0883 | | | |
| seoa7757a | | | |
| 652 FCR5714 | signal recognition particle subunit 9 (SRP9) | U20998 | 6 |
| MIOA2457a | | | |
| SEOA3137m | | | |
| SEOA7092a | | | |
| SEOB1506 | | | |
| SEOB2941 | | | |
| 653 fcrb0450 | heterogeneous nuclear ribonucleoprotein C (C1/C2) (HNRPC) | NM_004500.1 | 6 |
| fcrb2634 | | | |
| hfc3570 | | | |
| hfc6391 | | | |
| hfc7945 | | | |
| SEOA6580a | | | |
| 654 hfc1782 | laminin, alpha 4 (LAMA4) | NM_002290.1 | 6 |
| hfc2068 | | | |
| hfc3988 | | | |
| miob1096 | | | |
| ncr4066 | | | |
| ncr8572 | | | |
| 655 hfc1800 | DRP-2 dihydropyrimidinase related protein 2 | AB020777.1 | 6 |
| ncrb1218 | | | |
| ncrb4685 | | | |
| seob4393 | | | |
| seob4972 | | | |
| seob7544 | | | |
| 656 MIOA7202a | HSPC307 | AF161425.1 | 6 |
| miob3194 | | | |
| miob6922 | | | |
| ncr9648 | | | |
| ncrb6545 | | | |
| seob6314 | | | |
| 657 FCR1493 | progesterone binding protein (HPR6.6) | gi5729874 | 6 |

Figure 6A - Continued

| | | | |
|--------------|--|-------------|---|
| hfc5242 | | | |
| MIOA0006a | | | |
| miob1925 | | | |
| SEOA1657a | | | |
| SEOA6133a | | | |
| 658 miob3319 | inositol 1,4,5-triphosphate receptor, type 2 (ITPR2) | NM_002223.1 | 6 |
| ncr0911 | | | |
| ncrc9470 | | | |
| seob6096 | | | |
| seob7321 | | | |
| 659 hfc1828 | ubiquinol-cytochrome c reductase hinge protein (UQCRH) | NM_006004.1 | 6 |
| hfc9364 | | | |
| MIOA7063a | | | |
| ncr3717 | | | |
| ncrb0103 | | | |
| ncrb4529 | | | |
| 660 ncr9732 | eukaryotic translation initiation factor 4A, isoform 2(EIF4A2) | NM_001967.2 | 6 |
| ncrb0362 | | | |
| ncrb5085 | | | |
| ncrb6064 | | | |
| ncrc2495 | | | |
| SEOA9146 | | | |
| 661 FCR3156 | proteasome subunit HC9 | D00763 | 6 |
| FCR4958 | | | |
| MIOA0579a | | | |
| MIOA2053 | | | |
| SEOA0909 | | | |
| SEOA8301 | | | |
| 662 BFCS0021 | basic transCRiption factor 2 p44 (btf2p44) gene, partial cds, neuronal apoptosis inhibitory protein (naip) and survival motor neuron protein (smn) | U80017.1 | 6 |
| hfc3912 | | | |
| MIOA4092a | | | |
| ncrb3804 | | | |
| SEOA8672 | | | |
| seob4675 | | | |
| 663 hfc1203 | U50HG genes for U50' snoRNA and U50 snoRNA, complete sequence | AB017710 | 6 |
| hfc3549 | | | |
| hfc8537 | | | |
| miob4169 | | | |
| ncrb3516 | | | |
| seoa0979m | | | |
| 664 FCR2421 | alpha-2 globin (HBA1) | AF097635 | 6 |
| FCR5670 | | | |
| FCR7657 | | | |
| hfc5789 | | | |
| hfc5902 | | | |
| hfc9602 | | | |
| 665 fcrb1916 | RAD21 (S. pombe) homolog (RAD21) (=X98294) | gi5453993 | 6 |
| hfc7084 | | | |
| hfc7342 | | | |
| MIOA0887a | | | |
| ncrb4249 | | | |
| SEOB2199 | | | |
| 666 ncr4312 | GDP dissociation inhibitor 2 (GDI2) | NM_001494.2 | 6 |
| ncrc6832 | | | |

Figure 6A - Continued

| | | | |
|---------------|---|-------------|---|
| SEOA9835 | | | |
| seob3960 | | | |
| seob5935 | | | |
| seob6156 | | | |
| 667 miob0656 | disabled 2 p93 (DAB2) (mitogen-responsive phosphoprotein) (DAB2) | AF188298.1 | 6 |
| miob0804 | | | |
| ncr5508 | | | |
| ncr9024 | | | |
| ncrc3647 | | | |
| SEOA9643 | | | |
| 668 MIOA2073 | KIAA1074 | AB028997.1 | 6 |
| miob3863 | | | |
| miob3985 | | | |
| ncr7609 | | | |
| ncrb0016 | | | |
| ncrc9517 | | | |
| 669 MIOA4184 | myeloid/lymphoid or mixed-lineage leukemia (trithorax (Drosophila) homolog); translocated to, 2 (MLLT2) | NM_005935.1 | 6 |
| ncr5939 | | | |
| ncr8703 | | | |
| ncrc1992 | | | |
| ncrc2644 | | | |
| SEOA8265 | | | |
| 670 MIOA1103 | N-terminal acetyltransferase complex ard1 subunit | AF085355.1 | 6 |
| MIOA1278m | | | |
| MIOA7277 | | | |
| ncr5603 | | | |
| SEOA7340a | | | |
| SEOA7578a | | | |
| 671 fcrb2676 | PRO1873 | AF119859.1 | 6 |
| ncr5034 | | | |
| ncr6257 | | | |
| ncr8633 | | | |
| ncrb4355 | | | |
| ncrb7713 | | | |
| 672 MIOA5833a | CMP-N-acetylneuraminic acid hydroxylase | AF074480.1 | 6 |
| MIOA7183a | | | |
| miob2956 | | | |
| ncr5825 | | | |
| SEOA0573 | | | |
| SEOA2975a | | | |
| 673 ncr9792 | somatic cytochrome c (HCS) gene | M22877.1 | 6 |
| seob5073 | | | |
| seob6377 | | | |
| seob7454 | | | |
| SOA0409 | | | |
| 674 fcrb0702 | chaperonin containing T-complex subunit 6 (CCT6) = L27706.1 | NM_001762.1 | 6 |
| hfcr6785 | | | |
| ncrb0888 | | | |
| ncrb1096 | | | |
| SEOA9627 | | | |
| seob4582 | | | |
| 675 MIOA0400a | C2H2 zinc finger protein (ZNF189) | AF025772.1 | 6 |
| MIOA6570a | | | |
| miob0706 | | | |
| SEOA0187a | | | |

Figure 6A - Continued

| | | | |
|---------------|--|-------------|---|
| SEOA7094a | | | |
| SEOB2247 | | | |
| 676 miob1706 | homeobox protein CDX4 (CDX4) gene | AF003530.1 | 6 |
| ncr0904 | | | |
| ncr3832 | | | |
| ncr4865 | | | |
| seob4900 | | | |
| seob7554 | | | |
| 677 FCR2907 | immunoglobulin light chain | D87000 | 6 |
| FCR4393 | | | |
| MIOA1581 | | | |
| MIOA2952a | | | |
| MIOA5588a | | | |
| SEOA1691a | | | |
| 678 ncr4890 | antioxidant protein 1 (AOP1) (=peroxiredoxin 3 (PRDX3)) | NM_006793.1 | 6 |
| ncrc2839 | | | |
| SEOA3445a | | | |
| SEOA5589a | | | |
| seob6383 | | | |
| seob7624 | | | |
| 679 FCR1914 | lysosomal-associated membrane glycoprotein-1 (LAMP1) (=J04182) | L08582 | 6 |
| MIOA8993 | | | |
| miob3562 | | | |
| miob5914 | | | |
| ncr7696 | | | |
| SEOA1636a | | | |
| 680 MIOA2815a | glutaredoxin | X76648.1 | 6 |
| miob4892 | | | |
| ncrc9227 | | | |
| seoa8047 | | | |
| seob5490 | | | |
| seob7169 | | | |
| 681 hfcr0350 | cornichon protein | AF070654.1 | 6 |
| MIOA5494a | | | |
| mloa9911 | | | |
| miob6193 | | | |
| ncrc1904 | | | |
| SEOA1301a | | | |
| 682 MIOA2290a | dermatopontin | Z22865 | 6 |
| MIOA4841a | | | |
| ncr7747 | | | |
| ncrc9704 | | | |
| SEOA0920 | | | |
| seob7728 | | | |
| 683 fcrb0293 | myosin, light polypeptide 1, alkali; skeletal, fast (MYL1) | NM_002475.1 | 6 |
| hfcr9628 | | | |
| ncr5036 | | | |
| ncr5424 | | | |
| ncrc0266 | | | |
| ncrc4135 | | | |
| 684 hfcr3979 | CD36 antigen | L06850.1 | 6 |
| hfcr5117 | | | |
| MIOA6435a | | | |
| miob4477 | | | |
| ncrc5806 | | | |
| SEOA6313 | | | |

Figure 6A - Continued

| | | | | |
|-----|-----------|--|-------------|---|
| 685 | SEOA9610 | guanine nucleotide binding protein 11 (GNG11) = U31384.1 | NM_004126.1 | 6 |
| | MIOA2059n | | | |
| | miob3442 | | | |
| | ncrb1413 | | | |
| | ncrb1848 | | | |
| | ncrc1048 | | | |
| 686 | FCR2946 | vascular endothelial growth factor (VEGF) | AF024710.1 | 6 |
| | hfcR4663 | | | |
| | ncr3248 | | | |
| | ncrb0366 | | | |
| | ncrc9100 | | | |
| | seob5606 | | | |
| 687 | hfcR3716 | integrin alpha 10 subunit (ITGA10) | AF112345.1 | 6 |
| | ncr0448 | | | |
| | ncr0661 | | | |
| | ncrb4941 | | | |
| | ncrc4986 | | | |
| | seob5612 | | | |
| 688 | MIOA8121 | HIC protein | AF054589 | 6 |
| | miob0172 | | | |
| | SEOA0393 | | | |
| | SEOA8946 | | | |
| | SEOB0014 | | | |
| | SEOB3261 | | | |
| 689 | ncr3184 | KIAA0187 gene | NM_014753.1 | 6 |
| | ncr4505 | | | |
| | ncr5984 | | | |
| | ncrb1780 | | | |
| | ncrb2003 | | | |
| | seob7341 | | | |
| 690 | FCR2540 | KIAA0436 | AB007896 | 6 |
| | FCR6658 | | | |
| | MIOA0188 | | | |
| | MIOA6153a | | | |
| | ncrc0051 | | | |
| | SEOA1903 | | | |
| 691 | hfcR6412 | KIAA0530 | AB011102 | 6 |
| | miob4808 | | | |
| | ncrc4835 | | | |
| | ncrc9880 | | | |
| | SEOA5699a | | | |
| | SEOB2814 | | | |
| 692 | MIOA0067A | KIAA0569 | AB011141 | 6 |
| | miob0983 | | | |
| | ncr2553 | | | |
| | SEOA2715 | | | |
| | SEOA5977a | | | |
| | seob6277 | | | |
| 693 | FCR6471 | KIAA0766 | AB018309.1 | 6 |
| | MIOA2190a | | | |
| | MIOA7592a | | | |
| | ncr6553 | | | |
| | SEOA0950 | | | |
| | SEOB0809 | | | |
| 694 | miob0596 | KIAA0942 protein (KIAA0942) | NM_015310.1 | 6 |
| | miob4906 | | | |
| | ncr3297 | | | |
| | SEOA1314 | | | |

Figure 6A - Continued

| | | | |
|---------------|--|-------------|---|
| seoa3178m | | | |
| seob5344 | | | |
| 695 MIOA0030a | Pcp-2= Purkinje cell protein 2 | S40022 | 6 |
| SEOA0007 | | | |
| SEOA1897 | | | |
| SEOA3738a | | | |
| SEOA5374 | | | |
| SEOA6641a | | | |
| 696 MIOA0505n | PRO1073 | AF113016 | 6 |
| MIOA2518a | | | |
| MIOA3973a | | | |
| MIOA6533a | | | |
| MIOA7182a | | | |
| ncrc4381 | | | |
| 697 hfcr0615 | PRO2640 | AF116710.1 | 6 |
| hfcr3726 | | | |
| hfcr3771 | | | |
| hfcr7481 | | | |
| hfcr7487 | | | |
| hfcr8284 | | | |
| 698 MIOA5979a | SON protein | AF193606 | 6 |
| MIOA6825a | | | |
| MIOA6850a | | | |
| SEOA5894 | | | |
| SEOA6083a | | | |
| SEOA6159a | | | |
| 699 seob8241 | protein tyrosine phosphatase type IVA, member 2 (PTP4A2) | NM_003479.1 | 6 |
| ncr2520 | | | |
| ncrc3703 | | | |
| SEOA8528 | | | |
| SEOB2109 | | | |
| seob8241 | | | |
| 700 FCR5509 | low density lipoprotein receptor | L00352 | 6 |
| hfcr4176 | | | |
| miob0944 | | | |
| miob3471 | | | |
| ncr8966 | | | |
| ncrb4057 | | | |
| 701 MIOA8858 | ATP SYNTHASE GAMMA CHAIN, MITOCHONDRIAL PRECURSOR | spP36542 | 6 |
| MIOA8894 | | | |
| SEOA1962a | | | |
| hfcr0033 | | | |
| MIOA3788 | | | |
| MIOA3178a | | | |
| 702 FCR4622 | cytochrome c oxidase subunit VIII (COX8) | J04823 | 6 |
| HFCR3147 | | | |
| hfcr4776 | | | |
| hfcr0818 | | | |
| hfcr4203 | | | |
| hfcr5820 | | | |
| 703 SEOA1789a | leucine aminopeptidase | AF061738 | 6 |
| ncr5718 | | | |
| SEOB0345 | | | |
| SEOB1614 | | | |
| SEOA9719 | | | |
| ncr7880 | | | |
| 704 SEOA0470n | calpastatin | D50827 | 6 |

Figure 6A - Continued

| | | | |
|---------------|--|-------------|---|
| MIOA8201 | | | |
| SEOA1848a | | | |
| SEOA5437 | | | |
| SEOA7081a | | | |
| hfc7677 | | | |
| 705 SEOB3493 | threonyl-tRNA synthetase (TARS) | NM_003191.1 | 6 |
| SEOA4402a | | | |
| SEOA9372 | | | |
| ncr0255 | | | |
| seoa7033 | | | |
| SEOB0675a | | | |
| 706 SEOA7897a | ribosomal protein L33-like protein | AF047440 | 6 |
| ncrb7195 | | | |
| HFCR3117 | | | |
| seob4671 | | | |
| MIOA8856 | | | |
| ncr9979 | | | |
| 707 miob4424 | chaperonin containing TCP1 subunit 4 (delta) (CCT4) | NM_006430.1 | 6 |
| hfc76487 | | | |
| hfc1890 | | | |
| ncrb2160 | | | |
| seoa8124 | | | |
| ncr2061 | | | |
| 708 hfc76687 | Finkel-Biskis-Reilly murine sarcoma virus (FBR-MuSV) | NM_001997.1 | 6 |
| hfc74125 | | | |
| fcrb2382 | | | |
| hfc70964 | | | |
| fcrb2651 | | | |
| ncrc5376 | | | |
| 709 MIOA3473a | Id-2H | D13891 | 6 |
| FCR5297 | | | |
| MIOA6202a | | | |
| ncrc9908 | | | |
| SEOB0005 | | | |
| SEOA4446a | | | |
| 710 FCR0274 | shox gene | U82668 | 6 |
| hfc79250 | | | |
| hfc74141 | | | |
| hfc77863 | | | |
| hfc77860 | | | |
| ncr1568 | | | |
| 711 SEOB0128 | SOX4 | AF124147.1 | 6 |
| MIOA6316a | | | |
| SEOB1953 | | | |
| ncr7035 | | | |
| ncr4210 | | | |
| ncr7425 | | | |
| 712 SEOA7459a | transCRiption factor (CBFB) | L20298 | 6 |
| hfc76500 | | | |
| ncrb1839 | | | |
| SEOB0243 | | | |
| SEOB0723 | | | |
| SEOA9661 | | | |
| 713 hfc73441 | poly(rC)-binding protein 2 (PCBP2) | NM_005016.1 | 6 |
| ncrb5742 | | | |
| ncrc3244 | | | |
| ncrb0564 | | | |
| ncrb7115 | | | |

Figure 6A - Continued

| | | | |
|---------------|--|-------------|---|
| ncrb3300 | | | |
| 714 ncr0317 | RNA-binding protein regulatory subunit | AF021819 | 6 |
| seob5774 | | | |
| BFCS0219 | | | |
| FCR2416 | | | |
| fcrb0250 | | | |
| ncr5896 | | | |
| 715 ncr3768 | Membrane cofactor protein | X59408.1 | 6 |
| hfcr9297 | | | |
| miob5828 | | | |
| ncr3809 | | | |
| ncr8508 | | | |
| SEOA0775 | | | |
| 716 SEOA2053 | catalase | X04076 | 6 |
| MIOA1543 | | | |
| MIOA2533a | | | |
| SEOA2053 | | | |
| miob6008 | | | |
| ncrc4647 | | | |
| miob3167 | | | |
| 717 SEOA2436a | complement C1r | M14058 | 6 |
| SOA0616 | | | |
| FCR3050 | | | |
| SEOA9841 | | | |
| SEOA9656 | | | |
| seob6402 | | | |
| 718 ncr1186 | glutathione peroxidase 3 (plasma) (GPX3) | NM_002084.2 | 6 |
| ncr8192 | | | |
| ncrb2444 | | | |
| ncr8401 | | | |
| ncrc6668 | | | |
| ncr9019 | | | |
| 719 SEOA6751 | synaptophysin-like protein (SYPL) | gi5803184 | 6 |
| SEOA8669 | | | |
| seob6710 | | | |
| ncrc5023 | | | |
| ncrc6308 | | | |
| fcrb2466 | | | |
| 720 miob5491 | CGI-07 protein | AF132941.1 | 6 |
| ncrb1765 | | | |
| seob6562 | | | |
| MIOA5229a | | | |
| ncrb7804 | | | |
| seoa7680a | | | |
| 721 MIOA6580a | CGI-148 protein | AF151906 | 6 |
| MIOA7590a | | | |
| seob7383 | | | |
| SEOA9722 | | | |
| SEOA9478 | | | |
| SEOA4178a | | | |
| 722 hfcr1671 | filamin (FLNB) | AF191633.1 | 6 |
| miob5429 | | | |
| hfcr6699 | | | |
| ncrb8576 | | | |
| hfcr9796 | | | |
| bfcw0340n | | | |
| 723 FCR0766 | chondroadherin (CHAD) | U96769 | 6 |
| fcrb1608 | | | |
| hfcr1927 | | | |

Figure 6A - Continued

| | | | |
|---------------|---|-------------|---|
| hfc2572 | | | |
| ncrb6441 | | | |
| ncrc5155 | | | |
| 724 FCR3823 | nonmuscle myosin heavy chain-B (MYH10) | M69181 | 6 |
| hfc0725 | | | |
| hfc7493 | | | |
| SEOA9760 | | | |
| FCR3199 | | | |
| hfc0720 | | | |
| 725 hfc4275 | conserved gene amplified in osteosarcoma (OS4) | NM_005730.1 | 6 |
| ncr7149 | | | |
| miob1711 | | | |
| ncrc6309 | | | |
| SEOA3486a | | | |
| miob1882 | | | |
| 726 hfc3660 | signal sequence receptor, gamma (translocon-associated protein gamma) (SSR3) | NM_007107.1 | 6 |
| ncrb0092 | | | |
| SEOB2184 | | | |
| ncrc6272 | | | |
| ncr7270 | | | |
| ncrb5301 | | | |
| 727 SEOA3514a | okadaic acid-inducible and cAMP-regulated phosphoprotein 19 (ARPP-19) (=Y16968.1 l-myc homologue) | AF084555.1 | 6 |
| hfc4172 | | | |
| hfc6485 | | | |
| MIOA4343a | | | |
| miob6685 | | | |
| MIOA3082a | | | |
| 728 SEOA4403a | SH3 domain-containing protein SH3P18 | U61167 | 6 |
| FCR2818 | | | |
| MIOA8084 | | | |
| MIOB2144 | | | |
| miob6440 | | | |
| FCR3990 | | | |
| 729 SEOB0976 | transformer-2 alpha (htra-2 alpha) | U53209.1 | 6 |
| FCR1460 | | | |
| hfc0375 | | | |
| hfc8735 | | | |
| seob4137 | | | |
| ncrc5823 | | | |
| 730 SEOA2233a | cullin 4A (CUL4A) | AF077188.1 | 6 |
| MIOA6458a | | | |
| miob3664 | | | |
| ncrc3610 | | | |
| SEOA4120a | | | |
| SEOA9107 | | | |
| 731 ncr0213 | dendritic cell protein (GA17)= AF064603 GA17 protein | NM_006360.1 | 6 |
| ncrc9604 | | | |
| ncrc0289 | | | |
| ncrb2323 | | | |
| ncr8054 | | | |
| ncrc3246 | | | |
| 732 SEOB3197 | voltage-dependent anion channel (VDAC1) | AF151097.1 | 6 |
| ncr6293 | | | |
| MIOA4930a | | | |
| MIOA4943a | | | |

Figure 6A - Continued

| | | | |
|----------------------|--|-------------|---|
| seob6357 SEO4197a | | | |
| 733 MIOB2664 | bullous pemphigoid antigen (BPAG1) | L11690.1 | 6 |
| miob3540 | | | |
| ncr7176 | | | |
| ncrb7556 | | | |
| ncrc1408 | | | |
| ncrc4295 | | | |
| 734 SEOB3386 | IGSF4 gene | AB017563.1 | 6 |
| MIOA1439 | | | |
| SEOB2973 | | | |
| SEO48585 | | | |
| seob6239 | | | |
| SEOB1715 | | | |
| 735 SEO44730a | exportin 1 (CRM1,yeast, homolog) (XPO1)(ORF) =D89729, CRM1 protein, | NM_003400.1 | 6 |
| MIOA5849a | | | |
| SEO49516 | | | |
| SOA0058 | | | |
| ncrc9586 | | | |
| miob3291 | | | |
| 736 miob2375 | H3 histone, family 3B (H3.3B) (H3F3B) | NM_005324.1 | 6 |
| fcrb1771 | | | |
| fcrb1772 | | | |
| hfcr7548 | | | |
| ncrc2123 | | | |
| hfcr0335 | | | |
| 737 ncr8693 | Histone 4 family, member M (RefSeq aa 7e-53) | NP_003486.1 | 6 |
| ncr6178 | | | |
| ncrb2655 | | | |
| ncrb1630 | | | |
| ncrc3022 | | | |
| ncrc6643 | | | |
| 738 SEO44822a | non-histone chromosome protein 2 (S. cerevisiae)-like 1 (NHP2L1)=D50420,OTK27 | NM_005008.1 | 6 |
| hfcr3712 | | | |
| fcrb0016 | | | |
| ncrb4543 | | | |
| ncrb6317 | | | |
| ncrb5158 | | | |
| 739 SEO41237A | growth arrest specific transCRipt 5 gene | AF141346.1 | 6 |
| MIOA7951a | | | |
| hfcr9207 | | | |
| hfcr9592 | | | |
| ncrc9825 | | | |
| SEO48569 | | | |
| 740 SEOB3520 | SPHAR gene for cyclin-related protein | X82554.1 | 6 |
| mioa9997 | | | |
| ncrb4597 | | | |
| seob4477 | | | |
| ncrb0859 | | | |
| SEO40240a | | | |
| 741 MIOA2333a | H-2K binding factor-2 | D14041 | 6 |
| seoa0461m | | | |
| SEO44036a | | | |
| SEO46555a | | | |
| SEO48366a | | | |
| ncrb3320 | | | |
| 742 seob5621 | KIAA0349 gene | AB002347.1 | 6 |

Figure 6A - Continued

| | | | | |
|--------------|--|-------------|---|--|
| miob0647 | | | | |
| ncrb4506 | | | | |
| ncrb5811 | | | | |
| ncr0148 | | | | |
| hfc3746 | | | | |
| 743 SEOB1908 | KIAA0885 | AB020692.1 | 6 | |
| SEOA8583 | | | | |
| ncrb2651 | | | | |
| ncrb1336 | | | | |
| SEOA1398 | | | | |
| SEOA3405a | | | | |
| 744 SEOB0950 | KIAA1025 | AB028948.1 | 6 | |
| MIOA1128 | | | | |
| MIOB1518 | | | | |
| mioa1127m | | | | |
| hfc9528 | | | | |
| ncrc5946 | | | | |
| 745 MIOA0493 | LGMD2B | AJ007973 | 6 | |
| SOA0482 | | | | |
| hfc7958 | | | | |
| miob2360 | | | | |
| miob6443 | | | | |
| ncrc6939 | | | | |
| 746 FCR5026 | 6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase (PF2K) (=AB007902 KIAA0442) | AF041832 | 6 | |
| SEOA1361 | | | | |
| FCR2817 | | | | |
| hfc4652 | | | | |
| ncrc2796 | | | | |
| hfc9564 | | | | |
| 747 MIOA8998 | protein phosphatase 1 catalytic subunit, beta isoform (PPP1CB) | NM_002709.1 | 6 | |
| seob4826 | | | | |
| ncr4122 | | | | |
| SEOA1116a | | | | |
| ncr1405 | | | | |
| ncr5392 | | | | |
| 748 SEOA0285 | mitochondrial 16S rRNA | Z70759 | 6 | |
| mioa0762m | | | | |
| SEOA1241A | | | | |
| CR0928 | | | | |
| FCR3940 | | | | |
| SEOB1358 | | | | |
| 749 SEOB2792 | mitochondrial coxII | X55654.1 | 6 | |
| FCR1749 | | | | |
| FCR1465 | | | | |
| FCR5408 | | | | |
| MIOA4643a | | | | |
| mioa9983 | | | | |
| 750 SEOA0150 | glutaminase C | AF158555.1 | 6 | |
| SEOA8539 | | | | |
| ncrc1549 | | | | |
| miob2384 | | | | |
| ncr7103 | | | | |
| ncrc3453 | | | | |
| 751 miob2478 | DNA-binding protein A gene | L29073.1 | 6 | |
| SEOB1354 | | | | |
| SEOB1365 | | | | |
| hfc8418 | | | | |

Figure 6A - Continued

| | | | |
|---------------|--|-------------|---|
| ncr6210 | | | |
| ncrb1117 | | | |
| 752 FCR7744 | general transcription factor 2-I (GTF2I) | AF038968 | 6 |
| BFCS0407 | | | |
| hfc6694 | | | |
| ncr2543 | | | |
| hfc6016 | | | |
| ncr7742 | | | |
| 753 mioa9679 | YME1 (S.cerevisiae)-like 1(YME1L1), = AJ132637.1 ATP-NM_014263.1 dependent metalloprotease YME1L (ORF) | | 6 |
| hfc6352 | | | |
| ncr1319 | | | |
| ncrc6000 | | | |
| MIOA1432 | | | |
| SEOA2219a | | | |
| 754 seob4807 | splicing factor, arginine/serine-rich (transformer 2 Drosophila homolog)(SFRS10) | NM_004593.1 | 6 |
| hfc9217 | | | |
| SEOA9022 | | | |
| SEOB1682 | | | |
| SOA0161 | | | |
| hfc2131 | | | |
| 755 SEOA5784 | LIM and SH3 protein 1 (LASP1) (=X82456 MLN50) | gi5453709 | 6 |
| hfc5177 | | | |
| MIOA0271 | | | |
| hfc7830 | | | |
| CR0219 | | | |
| SEOA2098 | | | |
| 756 SEOA5358 | TGF-beta inducible early protein (TIEG) | U21847 | 6 |
| ncrb5869 | | | |
| ncrc5458 | | | |
| hfc3848 | | | |
| SEOA5615a | | | |
| ncrb3329 | | | |
| 757 hfc1724 | pigment epithelium-derived factor (PEDF) | NM_002615.1 | 6 |
| hfc6870 | | | |
| hfc7833 | | | |
| BFCN0013 | | | |
| hfc7440 | | | |
| hfc3065 | | | |
| 758 SEOB3499 | ARP2/3 protein complex subunit 34 (ARC34) | NM_005731.1 | 6 |
| fcrb0140 | | | |
| SEOA1813a | | | |
| SEOA3189 | | | |
| FCR1881N | | | |
| ncrc5648 | | | |
| 759 SEOA0915 | high mobility group 2 protein (HMG-2) | M83665 | 6 |
| miob1172 | | | |
| soa0197n | | | |
| ncrb8219 | | | |
| hfc4439 | | | |
| fcrb2458 | | | |
| 760 SEOA4646a | jumping translocation breakpoint (JTB) =AB016488 hJTB NM_006694.1 (ORF) | | 6 |
| ncrb1911 | | | |
| ncrc3417 | | | |
| BFCW0333 | | | |
| SEOA7626a | | | |
| SEOA7640a | | | |

Figure 6A - Continued

| | | | |
|---------------|---|-------------|---|
| 761 seob8220 | murine leukemia viral (bmi-1) oncogene homolog (BMI1) | NM_005180.1 | 6 |
| ncrb5247 | | | |
| ncrc0904 | | | |
| SEOA2126n | | | |
| SEOA9678 | | | |
| mioa2126m | | | |
| 762 SEOA8566 | 13kDa differentiation-associated protein | AAF17196.1 | 6 |
| seoa4977a | | | |
| SEOA9376 | | | |
| SEOA9605 | | | |
| ncrb6853 | | | |
| ncr2783 | | | |
| 763 ncrc9793 | hypothetical protein Nop10p (RefSeq aa 1e-33) | NP_061118.1 | 6 |
| ncr0648 | | | |
| ncrc3681 | | | |
| ncr6315 | | | |
| ncrc3009 | | | |
| ncrc5705 | | | |
| 764 SEOA1348 | KIAA0103 | D14659 | 6 |
| mioa3137an | | | |
| ncr7551 | | | |
| seoa1348 | | | |
| SEOA9416 | | | |
| hfcr6131 | | | |
| 765 ncrb7102 | p130 (130K protein) | X76061.1 | 6 |
| SOA0056 | | | |
| ncrc0207 | | | |
| ncrc0889 | | | |
| ncrc1004 | | | |
| miob6408 | | | |
| 766 MIOB2724 | S1R protein (S1R) (=CGI-119) | AF113127.1 | 6 |
| SEOA5994a | | | |
| seob4211 | | | |
| seoa7989 | | | |
| ncr0918 | | | |
| ncrb8318 | | | |
| 767 MIOA5955a | ATP synthase, H transporting, mitochondrial F0 complex, subunit c (subunit 9), isoform 1 (ATP5G1) (ORF) | NM_005175.1 | 6 |
| ncr6126 | | | |
| ncr6223 | | | |
| ncr6236 | | | |
| miob3229 | | | |
| MIOA4283 | | | |
| 768 ncr0075 | fragile X mental retardation 1 (FMR1) | NM_002024.1 | 6 |
| fcrb1974 | | | |
| miob6546 | | | |
| ncrc0924 | | | |
| ncrc2070 | | | |
| ncrb3355 | | | |
| 769 MIOA6135a | nucleobindin 2 (NUCB2)(NEFA protein) | X76732 | 6 |
| SEOA9353 | | | |
| SOA0165 | | | |
| ncrc5608 | | | |
| SEOA0316 | | | |
| SEOA1356 | | | |
| 770 SEOA8397a | progesterone membrane binding protein (PMBP) | 5453915 | 6 |
| MIOB1558 | | | |

Figure 6A - Continued

| | | | |
|---------------|--|-------------|---|
| ncrb1624 | | | |
| seob6528 | | | |
| mioa7699a | | | |
| seoa7748a | | | |
| 771 ncr9772 | melanoma inhibitory | NM_006533.1 | 6 |
| hfc4223 | | | |
| hfc6761 | | | |
| ncrc0635 | | | |
| ncrc3620 | | | |
| ncr7560 | | | |
| 772 MIOB2641 | KIAA1250 | AB033076.1 | 6 |
| hfc8275 | | | |
| miob1455 | | | |
| miob6414 | | | |
| SEOA9374 | | | |
| SEOB1567 | | | |
| 773 ncr0189 | ORF2 [Canis familiaris](60%) | AB012223 | 6 |
| ncr1240 | | | |
| ncr8649 | | | |
| ncrb2351 | | | |
| seob3748 | | | |
| mioa9259 | | | |
| 774 seob5730 | POLR2K gene for RPB10 alpha | AJ252078.1 | 6 |
| seob6483 | | | |
| SEOB3252 | | | |
| ncr2058 | | | |
| ncr4208 | | | |
| ncr6110 | | | |
| 775 MIOA4643a | cytochrome C oxidase II subunit (ORF) | X55654 | 6 |
| mioa9983 | | | |
| SEOB2792 | | | |
| FCR5408 | | | |
| FCR1749 | | | |
| FCR1465 | | | |
| 776 FCR4633 | karyopherin (importin) beta 1 (KPNB1) (=L38951 importin gi4504904 beta subunit) | | 6 |
| hfc1590 | | | |
| CR0857 | | | |
| miob1209 | | | |
| ncrc7189 | | | |
| seob4669 | | | |
| 777 ncrc6553 | CD59 antigen p18-20 (antigen identified by monoclonal antibodies 16.3A5, EJ16, EJ30, EL32 and G344) (CD59) | NM_000611.1 | 6 |
| HFCR3081 | | | |
| SEOA5775 | | | |
| seob4103 | | | |
| ncrb1896 | | | |
| ncrb1856 | | | |
| 778 MIOB1094 | CAR (RFP2) | AF279660 | 6 |
| bfc0217n | | | |
| fcrb2023 | | | |
| seoa0124nn | | | |
| mioa5565a | | | |
| mioa7915 | | | |
| 779 ncrc7181 | signal peptidase complex (18kD) (SPC18) | NM_014300.1 | 6 |
| SEOB0490 | | | |
| ncrb4948 | | | |
| fcr4976n | | | |

Figure 6A - Continued

| | | | |
|---|---|-------------|---|
| miob6747 ncrc1025 780 mioa7857 | basic helix-loop-helix domain containing, class B, 2 (BHLHB2), mRNA /cds=(196,1434) /gb=NM_003670 /gi=4503298 /ug=Hs.171825 /len=2922 | Hs.171825 | 6 |
| ncrb8797 SEOA8638 SEOB0592 SEOB0598 hfcr1185 | | | |
| 781 miob1355 seob6473 MIOA8782 FCR4676 miob2528 SEOB0971 | 5-aminoimidazole-4-carboxamide ribonucleotide | NM_004044.1 | 6 |
| 782 ncr0287 | actin, alpha 2, smooth muscle, aorta (ACTA2) (ORF)= J05192.1 | NM_001613.1 | 5 |
| ncr2635 ncrb3585 ncrb3944 ncrc3564 | | | |
| 783 hfcr9778 | NADH dehydrogenase(ubiquinone) 1 beta subcomplex, 3 (12kD, B12) (NDUFB3) | NM_002491.1 | 5 |
| mioa3852n miob0376 miob2355 seob6618 | | | |
| 784 BFCN0018 | heterogeneous nuclear ribonucleoprotein (hnRNP) core protein A1 | X12671 | 5 |
| FCR4486 hfcr6912 SEOA1075a SEOA1075a | | | |
| 785 SEOB1357 | eukaryotic translation initiation factor 3, subunit 10 (theta, gi4503508 150/170kD) | | 5 |
| SEOB1357 hfcr8963 miob4606 ncrb1514 | | | |
| 786 MIOA1628a MIOA1911a miob6258 SEOA5986a SEOB2745 | adenylyl cyclase-associated protein (CAP) | L12168 | 5 |
| 787 ncr5499 | tetratricopeptide repeat domain 3 (TTC3)(= DCRR1)(= TPRDIII) | NM_003316.1 | 5 |
| ncr7417 ncrb7614 ncrc2641 SEOB3517 | | | |
| 788 hfcr2651 hfcr7455 ncrc4130 seob7024 fcrb2765 | endothelial differentiation-related factor 1 (EDF1) | NM_003792.1 | 5 |
| 789 CR0778 FCR6882 hfcr0242 | ATP SYNTHASE A CHAIN (PROTEIN 6)(ORF) | P00846 | 5 |

Figure 6A - Continued

| | | | | |
|---------------|--|-------------|---|--|
| ncr0221 | | | | |
| ncr1046 | | | | |
| 790 FCR2508 | NADH-ubiquinone oxidoreductase subunit CI-B14 | AF047182 | 5 | |
| FCR4175 | | | | |
| MIOA4763 | | | | |
| MIOA8252 | | | | |
| SEOA7921a | | | | |
| 791 hfc95881 | MHC class 1 region | AF055066 | 5 | |
| MIOA1763 | | | | |
| MIOA3969a | | | | |
| ncrc2058 | | | | |
| ncrc5587 | | | | |
| 792 hfc97512 | plastin 3 (T isoform) (PLS3) | NM_005032.2 | 5 | |
| miob4132 | | | | |
| miob4132 | | | | |
| ncrb0415 | | | | |
| ncrc6977 | | | | |
| 793 MIOA0510 | hexosaminidase B (beta polypeptide) (HEXB)(ORF) | NM_000521.1 | 5 | |
| ncr4385 | | | | |
| ncr7017 | | | | |
| ncrb6361 | | | | |
| seob5415 | | | | |
| 794 hfc90503 | breast cancer associated gene 1 protein (BCG1) (ORF) | AF128528.1 | 5 | |
| hfc90985 | | | | |
| hfc93916 | | | | |
| hfc97081 | | | | |
| hfc99191 | | | | |
| 795 FCR4719 | ornithine decarboxylase antizyme | D87914 | 5 | |
| fcrb0057 | | | | |
| hfc90282 | | | | |
| hfc97611 | | | | |
| ncr0851 | | | | |
| 796 MIOA1636a | enterocyte differentiation associated factor EDAF-1 | U62136.2 | 5 | |
| MIOA1876a | | | | |
| miob1131 | | | | |
| SEOB0077 | | | | |
| seob7022 | | | | |
| 797 miob6338 | four and a half LIM domains 1 (FHL1) | NM_001449.1 | 5 | |
| ncr4606 | | | | |
| ncrb0157 | | | | |
| ncrc1679 | | | | |
| SEOA4140a | | | | |
| 798 fcrb0157 | translocase of outer mitochondrial membrane 20 (yeast) homolog (KIAA0016), | NM_014765.1 | 5 | |
| hfc97695 | | | | |
| ncr0170 | | | | |
| ncr1597 | | | | |
| seob5419 | | | | |
| 799 fcrb0727 | mouse tropomyosin homolog (HSPC001) =AF047439(ORF) | NM_004872.1 | 5 | |
| hfc91347 | | | | |
| MIOA4651a | | | | |
| MIOB2737 | | | | |
| miob6829 | | | | |
| SEOA4717a | | | | |
| 800 MIOA0940 | DNA polymerase zeta catalytic subunit (REV3) | AF157476.1 | 5 | |
| MIOA3260a | | | | |
| ncrc6637 | | | | |

Figure 6A - Continued

| | | | |
|-----------------------|---|-------------|---|
| SEOA0727a seob3753 | | | |
| 801 FCR0821 | eukaryotic initiation factor 4 gamma (eIF-4 gamma) | D12686 | 5 |
| FCR2648 | | | |
| FCR5513 | | | |
| SEOA0356 | | | |
| SEOA3863 | | | |
| 802 FCR0946N | eukaryotic translation initiation factor 4A, isoform 1 (EIF4A1) | D13748 | 5 |
| fcrb1741 | | | |
| hfc3479 | | | |
| hfc4499 | | | |
| hfc7513 | | | |
| 803 MIOA2150 | E6-AP ubiquitin-protein ligase (UBE3A) | AF009341.1 | 5 |
| MIOA4882a | | | |
| MIOA4946a | | | |
| SEOA8582 | | | |
| SEOB1898 | | | |
| 804 fcrb1561 | prolyl 4-hydroxylase beta-subunit and disulfide isomerase M22806.1 (P4HB) | | 5 |
| fcrb2091 | | | |
| fcrb2134 | | | |
| hfc3738 | | | |
| hfc6176 | | | |
| 805 HFCR3155 | archain 1 (ARCN1) | gi4502194 | 5 |
| ncr1786 | | | |
| ncr5526 | | | |
| ncrb5363 | | | |
| seoa7004 | | | |
| 806 CR0959 | protein kinase C inhibitor-I | U27143 | 5 |
| mioa9356 | | | |
| ncr6898 | | | |
| SEOA1109a | | | |
| seob6092 | | | |
| 807 FCR1598N | serine/threonine kinase KPM | AF207547.1 | 5 |
| fcrb0114 | | | |
| miob6098 | | | |
| ncrc1986 | | | |
| ncrc3313 | | | |
| 808 hfc2759 | fibroblast growth factor 2 (basic)(FGF2) | NM_002006.1 | 5 |
| miob5937 | | | |
| ncr6797 | | | |
| ncrb2503 | | | |
| seob5260 | | | |
| 809 miob0278 | predicted osteoblast protein (GS3786), mRNA | NM_014888.1 | 5 |
| ncrc6526 | | | |
| seoa6950 | | | |
| SEOA9761 | | | |
| SEOB3258 | | | |
| 810 SEOB0509 | HSPC204 | AF151038.1 | 5 |
| miob0978 | | | |
| miob5676 | | | |
| seob3881 | | | |
| seob7185 | | | |
| 811 MIOA1544 | KIAA0579 | AB011151.1 | 5 |
| MIOA1761 | | | |
| MIOA4010a | | | |
| ncr8101 | | | |
| SEOB0906a | | | |

Figure 6A - Continued

| | | | |
|---|--|-------------|---|
| 812 MIOA1515 SEOA3628a SEOA3689a SEOA3960a SEOB3356 | Rap1B | U07795 | 5 |
| 813 MIOA0317 SEOA0533 SEOA1182A seob5631 seob7582 | X (inactive)-specific transCRipt (XIST) | M97168 | 5 |
| 814 MIOA8320 BFCW0325 FCR0677 ncrb0136 ncrb4885 | alcohol dehydrogenase, class III (ADH5) chi subunit | M30471 | 5 |
| 815 SEOB2661 miob5793 ncr1098 ncrb2186 seob5622 | diphosphoinositol polyphosphate phosphohydrolase type 2 (NUDT4) | AF191654.2 | 5 |
| 816 MIOA1310 FCR0141 FCR7002 ncrb0293 ncrc1498 | phosphatidic acid phosphatase 2a | AB000888 | 5 |
| 817 SEOB0248 hfcr4134 hfcr9345 seob5360 seob6636 | NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 9 (22kD, B22) (NDUFB9) | NM_005005.1 | 5 |
| 818 hfcr0669 ncrc9166 MIOA7040a ncrb1914 seob2334 | NADH dehydrogenase(ubiquinone) 1, alpha/beta subcomplex, 1 (8kD, SDAP)(NDUFAB1) mRNA | NM_005003.1 | 5 |
| 819 miob6188 FCR6107 ncrc6511 ncr3500 ncrb1532 | selenoprotein W (hSelW) | AF015283.1 | 5 |
| 820 hfcr6164 seob6242 miob5102 seoa0985m SEOA5370 | frizzled (Drosophila) homolog 1 (FZD1) | NM_003505.1 | 5 |
| 821 miob3911 fcr3494n ncr0605 ncrc5282 ncrc9204 | nuclear factor I/B (NFIB) | NM_005596.1 | 5 |
| 822 HF2390 ncr3281 ncr3858 ncrc6353 hfcr0981 | heterogeneous nuclear ribonucleoprotein M (HNRPM) | 5174610 | 5 |
| 823 SEOA9705 | heterogeneous nuclear ribonucleoprotein R (ORF) | AF000364 | 5 |

Figure 6A - Continued

| | | | |
|---------------|--|-------------|---|
| hfc8939 | | | |
| MIOA0329n | | | |
| mioa0766n | | | |
| ncrb7626 | | | |
| 824 seob4145 | nuclear protein (NP220) | NM_014497.1 | 5 |
| hfc6824 | | | |
| seob7074 | | | |
| SOA0429 | | | |
| SEOA0898 | | | |
| 825 MIOA2300a | T-cell receptor alpha delta locus | AE000659 | 5 |
| FCR0081 | | | |
| MIOA2596a | | | |
| miob0986 | | | |
| FCR0567 | | | |
| 826 miob3107 | translocase of inner mitochondrial membrane 17 (yeast) homolog A (TIM17), mRNA | NM_006335.1 | 5 |
| ncr1425 | | | |
| ncrc1971 | | | |
| ncrc3053 | | | |
| ncrc4089 | | | |
| 827 SEOB1889 | miCRosomal glutathione S-transferase 3 (MGST3) | AF026977.1 | 5 |
| seob6050 | | | |
| ncrc2832 | | | |
| ncrc9941 | | | |
| ncrc0356 | | | |
| 828 MIOA2537a | copine III (CPNE3) (=AB014536 KIAA0636) | gi4503014 | 5 |
| seob7100 | | | |
| seoa6761 | | | |
| ncr8341 | | | |
| ncrb3029 | | | |
| ncr1004 | | | |
| 829 hfc2201 | Golgi apparatus protein 1 (GLG1) | NM_012201.1 | 5 |
| ncr6757 | | | |
| hfc7555 | | | |
| ncrc3695 | | | |
| ncrc5363 | | | |
| 830 MIOA0192 | destrin (actin depolymerizing factor) (ADF) | 5802965 | 5 |
| hfc7375 | | | |
| seoa0800m | | | |
| hfc0425 | | | |
| MIOA9175 | | | |
| 831 seob3905 | growth arrest and DNA-damage-inducible, alpha (GADD45A) | NM_001924.1 | 5 |
| SEOA3665a | | | |
| SEOA8604 | | | |
| hfc9666 | | | |
| ncr8870 | | | |
| 832 SEOB1426 | 5T4 oncofetal trophoblast glycoprotein (5T4) | NM_006670.1 | 5 |
| ncrc1875 | | | |
| ncrc4357 | | | |
| MIOA4590a | | | |
| ncr9027 | | | |
| 833 seob5342 | Autosomal Highly Conserved Protein (AHCP) (=DKFZp586G051) | NM_016255.1 | 5 |
| ncrb0492 | | | |
| ncrc1763 | | | |
| miob6121 | | | |
| ncrc9116 | | | |
| 834 MIOB2869 | Diff33 protein homolog | AF164794.1 | 5 |

Figure 6A - Continued

| | | | | |
|-----|-----------|-----------------|-------------|---|
| | FCR3579 | | | |
| | seob5434 | | | |
| | SEOB3017 | | | |
| | seob4026 | | | |
| 835 | seob5556 | G8 protein (G8) | NM_016947.1 | 5 |
| | hfcr6308 | | | |
| | hfcr3437 | | | |
| | ncrb6034 | | | |
| | hfcr5912 | | | |
| 836 | MIOA1279m | HSPC067 | AF161552_1 | 5 |
| | MIOB1540 | | | |
| | SEOA1643a | | | |
| | miob0919 | | | |
| | mioa7807a | | | |
| 837 | ncr3084 | HSPC316 | AF161434.1 | 5 |
| | ncr4369 | | | |
| | ncrc1336 | | | |
| | ncrc1828 | | | |
| | ncrc6535 | | | |
| 838 | SEOB0497 | HSPC034 protein | AF100747.1 | 5 |
| | MIOA0167 | | | |
| | SEOA9653 | | | |
| | seob4237 | | | |
| | MIOA5356a | | | |
| 839 | seob7658 | KIAA0077 gene | D38521.1 | 5 |
| | ncrb1639 | | | |
| | FCR1106 | | | |
| | MIOA2004 | | | |
| | seob7056 | | | |
| 840 | SEOA1992 | KIAA0107 | D14663 | 5 |
| | FCR0785 | | | |
| | FCR3435 | | | |
| | FCR5951 | | | |
| | ncrb5343 | | | |
| 841 | seob4560 | KIAA0127 | NM_014755.1 | 5 |
| | miob0915 | | | |
| | ncr1675 | | | |
| | ncrc0802 | | | |
| | MIOA0452 | | | |
| 842 | FCR2966 | KIAA0174 | D79996 | 5 |
| | miob5732 | | | |
| | ncr6155 | | | |
| | ncrc3936 | | | |
| | ncr3520 | | | |
| 843 | FCR4084 | KIAA0244 gene | D87685 | 5 |
| | SEOA3018a | | | |
| | MIOA0323 | | | |
| | SEOA5747a | | | |
| | seob5941 | | | |
| 844 | MIOA1226 | KIAA0265 | D87454 | 5 |
| | MIOA3645a | | | |
| | MIOA6537a | | | |
| | hfcr4143 | | | |
| | hfcr8394 | | | |
| 845 | MIOA0804 | KIAA0308 | AB002306 | 5 |
| | ncr4372 | | | |
| | miob3331 | | | |
| | miob6074 | | | |
| | ncr6809 | | | |

Figure 6A - Continued

| | | | |
|--|--|-------------|---|
| 846 seob6584 ncrc6852 FCR3803 FCR4027 hfcrl1178 | KIAA0325 gene | AB002323.1 | 5 |
| 847 SEOA6530a ncr1409 SEOA9902 MIOA4061a MIOA4797a | KIAA0382 | AB002380 | 5 |
| 848 MIOA6147a MIOA6434a SEOA5572a ncr3899 ncrc0534 | KIAA0577 | AB011149 | 5 |
| 849 ncr0034 hfcrl7105 SEOA3701a FCR5200 ncr0034 | KIAA0670 protein/acinusL (no-exact match 42% a.a.) | NP_055792.1 | 5 |
| 850 seob4087 ncr2613 ncrb4278 miob3096 seob7093 | KIAA0680 gene product (KIAA0680) | NM_014721.1 | 5 |
| 851 ncr3368 ncrb0506 ncrb0491 seob3889 MIOA7059a | KIAA0853 | AB020660.1 | 5 |
| 852 SEOA2952a MIOA5986a MIOA9162 miob4396 ncr8971 | KIAA0977 | AB023194.1 | 5 |
| 853 SEOA6184a SEOB1293 ncrc9596 ncrc9874 ncr0366 miob3052 | KIAA1013 | AB023230.1 | 5 |
| 854 hfcrl7671 SEOA5705a MIOA4754 MIOA5006a SEOA9038 | KIAA1053 | AB028976.1 | 5 |
| 855 SEOA1228A MIOA3291a ncr6887 ncr0456 ncrc9959 | meningioma-expressed antigen 5 (MEA5) (=KIAA0679) | AF036145 | 5 |
| 856 hfcrl9242 hfcrl0341 hfcrl6069 ncr6897 FCR6235 | myeloid leukemia factor 2 (MLF2) | NM_005439.1 | 5 |
| 857 SEOB2259 MIOA8191 | NY-REN-45 antigen (LOC51133) | NM_016121.1 | 5 |

Figure 6A - Continued

| | | | | |
|---------------|---|-------------|---|--|
| miob3916 | | | | |
| seob4778 | | | | |
| ncr0292 | | | | |
| 858 hfc0023 | PEG1/MEST | D87367.1 | 5 | |
| HFCR3077 | | | | |
| hfc6532 | | | | |
| FCR3822 | | | | |
| hfc0119 | | | | |
| 859 hfc2725 | PRO2605 | AF116709.1 | 5 | |
| hfc6546 | | | | |
| hfc8968 | | | | |
| ncr0923 | | | | |
| fcrb1513 | | | | |
| 860 seob4591 | PRO2751 | AF119896.1 | 5 | |
| hfc0246 | | | | |
| miob3431 | | | | |
| seob5006 | | | | |
| SEOA9796 | | | | |
| 861 MIOA8652 | PTH-responsive osteosarcoma D1 protein | AAD25980.1 | 5 | |
| SEOA4697a | | | | |
| ncrc6395 | | | | |
| MIOA4474a | | | | |
| ncr8741 | | | | |
| 862 SEOA3207 | seCReted protein of unknown function (SPUF) | AF173937.1 | 5 | |
| MIOA8498 | | | | |
| ncrc9163 | | | | |
| SEOA0226a | | | | |
| ncr2297 | | | | |
| 863 SEOA8642 | steroid sensitive gene-1 protein (SSG-1) | AF223677.1 | 5 | |
| ncr3551 | | | | |
| ncrb5377 | | | | |
| fcrb1152 | | | | |
| SEOA9609 | | | | |
| 864 hfc0347 | uncoupling protein 2 (ucp2 gene homologue) | AJ243250.1 | 5 | |
| hfc1001 | | | | |
| hfc1367 | | | | |
| hfc1388 | | | | |
| hfc4651 | | | | |
| 865 hfc0545 | X-linked anhidrotic ectodermal dysplasia protein gene (EDA), exon 2 and flanking repeat regions | AF003528.1 | 5 | |
| ncrb5925 | | | | |
| ncrc8907 | | | | |
| ncrc0857 | | | | |
| ncrc9773 | | | | |
| 866 hfc3445 | S100 calcium-binding protein A13 (S100A13) | NM_005979.1 | 5 | |
| ncrb7829 | | | | |
| hfc8655 | | | | |
| ncrb6415 | | | | |
| hfc9742 | | | | |
| 867 hfc9052 | pyruvate dehydrogenase (lipoamide) alpha 1 (PDHA1) | NM_000284.1 | 5 | |
| MIOA6773a | | | | |
| hfc1402 | | | | |
| ncr7413 | | | | |
| MIOA2714a | | | | |
| 868 SEOA3578a | protein x 0001 | AF117230 | 5 | |
| MIOA6124a | | | | |
| SEOA3525a | | | | |
| seob7101 | | | | |

Figure 6A - Continued

| | | | |
|---------------|--|-------------|---|
| ncrb6041 | | | |
| 869 MIOA5346a | PTEN (PTEN) gene | AF143312.1 | 5 |
| ncr6847 | | | |
| ncr2129 | | | |
| ncrc2820 | | | |
| SEOA9406 | | | |
| 870 MIOA9147 | lipoprotein lipase (LPL) | NM_000237.1 | 5 |
| MIOA2642 | | | |
| miob2419 | | | |
| miob3712 | | | |
| ncrc9466 | | | |
| 871 hfcr0967 | CYTOCHROME C OXIDASE POLYPEPTIDE III | P00414 | 5 |
| miob0875 | | | |
| ncrc2056 | | | |
| SEOA8962 | | | |
| SEOA9392 | | | |
| 872 ncr8640 | NADH dehydrogenase subunit 1(RefSeq aa 2e-70) | gi5835388 | 5 |
| ncr4605 | | | |
| ncrb6186 | | | |
| ncrb2292 | | | |
| ncrc2840 | | | |
| 873 seob4502 | NADH-UBIQUINONE OXIDOREDUCTASE CHAIN 4 | P03905 | 5 |
| ncrc5143 | | | |
| ncr0274 | | | |
| seob2309 | | | |
| hfcr3534 | | | |
| 874 SEOA1041a | NADH-UBIQUINONE OXIDOREDUCTASE MLRQ SUBUNIT (COMPLEX I-MLRQ) (CI-MLRQ) | spO00483 | 5 |
| MIOA8244 | | | |
| SEOA8579 | | | |
| SEOB0714a | | | |
| SEOB1676 | | | |
| 875 ncr2954 | dihydrofolate reductase (DHFR) | NM_000791.2 | 5 |
| SEOB2096 | | | |
| seob4187 | | | |
| MIOA6820a | | | |
| seob7891 | | | |
| 876 fcrb0598 | aspartyl-tRNA synthetase (DARS) | NM_001349.1 | 5 |
| hfcr9449 | | | |
| ncrb2461 | | | |
| ncr9863 | | | |
| SEOB2719 | | | |
| 877 seob4782 | mitochondrial serine hydroxymethyltransferase gene, nuclear encoded mitochondrion protein, complete cds | U23143.1 | 5 |
| hfcr9189 | | | |
| seob6658 | | | |
| FCR3911 | | | |
| hfcr7674 | | | |
| 878 FCR5803 | cystatin B | U46692 | 5 |
| FCR7458 | | | |
| SEOA6273 | | | |
| ncrb5418 | | | |
| ncrc9905 | | | |
| 879 SEOA2381a | PROS-27 | X59417 | 5 |
| FCR2002 | | | |
| ncr2482 | | | |
| ncrb6236 | | | |
| seoa0340m | | | |
| 880 SEOA6497a | sorting nexin 3 (SNX3) | AF034546 | 5 |

Figure 6A - Continued

| | | | |
|---------------|--|-------------|---|
| hfc0745 | | | |
| SEOA4830a | | | |
| seoa7802a | | | |
| miob0313 | | | |
| 881 SEOB2717 | AKAP450 protein | AJ131693.1 | 5 |
| miob5452 | | | |
| MIOA0302 | | | |
| MIOA8156 | | | |
| seob6682 | | | |
| 882 SEOA6155a | farnesyl-protein transferase alpha-subunit | L00634 | 5 |
| SEOA7642a | | | |
| FCR6784 | | | |
| ncrb1912 | | | |
| MIOA4824a | | | |
| 883 seob4209 | prolylcarboxypeptidase (angiotensinase C) (PRCP) | NM_005040.1 | 5 |
| miob0809 | | | |
| ncrb0441 | | | |
| ncr0769 | | | |
| hfc0298 | | | |
| 884 hfc04034 | sequestosome 1 (SQSTM1) (=U46751.1 phosphotyrosine independent ligand p62) | NM_003900.1 | 5 |
| fcrb1527 | | | |
| seoa7717a | | | |
| MIOA6918a | | | |
| SEOA2949a | | | |
| 885 SEOA7175a | GLI-Kruppel family member GLI3 (Greig cephalopolysyndactyly syndrome) (GLI3) | gi4504014 | 5 |
| ncr7328 | | | |
| ncrb7454 | | | |
| FCR1345 | | | |
| mioa9690 | | | |
| 886 miob4673 | TATA element modulatory factor | L01042.1 | 5 |
| SEOA0450 | | | |
| SEOB0030 | | | |
| seob3942 | | | |
| mioa7652a | | | |
| 887 MIOA2970a | two-handed zinc finger protein ZEB | U19969 | 5 |
| SEOA0774 | | | |
| SEOA2665 | | | |
| seob6046 | | | |
| ncr5431 | | | |
| 888 SEOA6598a | XAGL protein | Y15906.1 | 5 |
| SEOB3291 | | | |
| MIOA6244a | | | |
| SEOA0271 | | | |
| SEOA1804a | | | |
| 889 FCR1153N | zinc finger protein 262 (ZNF262) (=AB007885 KIAA0425) | gi4827068 | 5 |
| MIOA4334a | | | |
| hfc08010 | | | |
| FCR0324 | | | |
| FCR1149 | | | |
| 890 miob3421 | zinc finger protein 84 (HPF2) (ZNF84) | NM_003428.1 | 5 |
| ncrb7843 | | | |
| ncr2550 | | | |
| SEOA0940 | | | |
| FCR1879N | | | |
| 891 MIOA6582a | heterogeneous nuclear ribonucleoprotein H1 (H) (HNRPH1) | NM_005520.1 | 5 |

Figure 6A - Continued

| | | | |
|---------------|--|-------------|---|
| hfc1431 | | | |
| ncr8977 | | | |
| ncrc7132 | | | |
| ncrc0189 | | | |
| 892 SEOB3172 | Polyadenylate binding protein | U75686.1 | 5 |
| MIOB2796 | | | |
| FCR2203 | | | |
| ncrc2424 | | | |
| MIOA8346 | | | |
| 893 MIOA3379a | spliceosomal protein SAP 155 | AF054284 | 5 |
| FCR7200 | | | |
| fcrb1620 | | | |
| fcrb1952 | | | |
| MIOA8120 | | | |
| 894 SEOB0843a | splicing factor (CC1.4) | L10911.1 | 5 |
| miob1250 | | | |
| seob6015 | | | |
| FCR2092 | | | |
| mioa0457m | | | |
| 895 hfc8647 | Splicing factor proline/glutamine rich (polypyrimidine tract-NM_005066.1 binding protein-associated)(SFPQ) | | 5 |
| ncr1747 | | | |
| SEOA2402a | | | |
| SEOA4148a | | | |
| MIOA0494 | | | |
| 896 SEOB0872a | RNA polymerase II subunit hsRPB7 | U20659.1 | 5 |
| FCR1541 | | | |
| MIOA3835 | | | |
| FCR0425 | | | |
| 897 MIOA0249a | lymphocyte activation-associated protein | AF123320.1 | 5 |
| MIOA5500a | | | |
| SEOA1670a | | | |
| ncr4013 | | | |
| ncrc8851 | | | |
| 898 SEOA8227 | heat shock 60kD protein 1 (chaperonin) (HSPD1) | NM_002156.1 | 5 |
| SOA0642 | | | |
| ncrc0092 | | | |
| ncr7531 | | | |
| ncrb7423 | | | |
| 899 SEOA9373 | lysosomal-associated membrane protein 2 (LAMP2), transCRipt variant LAMP2B = U36336.1 | NM_013995.1 | 5 |
| ncrb4102 | | | |
| ncrc1243 | | | |
| ncrb0860 | | | |
| ncrb3144 | | | |
| 900 FCR7026 | beta-COP | X82103 | 5 |
| SEOA2153n | | | |
| SEOA2872 | | | |
| SEOA6572a | | | |
| mioa2153m | | | |
| 901 seob4075 | RAD23 (S. cerevisiae) homolog B (RAD23B) | NM_002874.1 | 5 |
| seob6294 | | | |
| ncrb1466 | | | |
| SEOA4715a | | | |
| miob4832 | | | |
| 902 MIOA3343a | t-complex polypeptide 1 | X52882 | 5 |
| SEOA1490n | | | |
| SEOB2738 | | | |
| hfc3743 | | | |

Figure 6A - Continued

| | | | | |
|-----|-----------------------|--|-------------|---|
| 903 | MIOA6835a seob6680 | xeroderma pigmentosum group E UV-damaged DNA binding factor = NM_001923.1 damage-specific DNA binding protein 1 (127kD) (DDB1) | U32986.1 | 5 |
| | hfc2128 | | | |
| | hfc4347 | | | |
| | ncr0079 | | | |
| | fcrb0148 | | | |
| 904 | seob7432 | CGI-121 protein (LOC51002) | NM_016058.1 | 5 |
| | MIOA0680 | | | |
| | SEOA8222 | | | |
| | seoa7872a | | | |
| | MIOA7002a | | | |
| 905 | miob3474 | restin (Reed-Steinberg cell-expressed intermediate filament-associated protein) (RSN) | NM_002956.1 | 5 |
| | SEOB3358 | | | |
| | ncrb3271 | | | |
| | MIOA6637a | | | |
| | seob3980 | | | |
| 906 | hfc7656 | sarcoglycan, beta (43kD dystrophin-associated glycoprotein) (SGCB) | NM_000232.1 | 5 |
| | ncr5089 | | | |
| | MIOA0473 | | | |
| | FCR7007 | | | |
| | miob5022 | | | |
| 907 | SEOB0201 | Actinin-alpha | X55187.1 | 5 |
| | seoa6941 | | | |
| | SEOB0615 | | | |
| | SEOB1500 | | | |
| | seoa6941 | | | |
| 908 | FCR6312 | cytoplasmic beta-actin | M10277 | 5 |
| | fcrb1979 | | | |
| | ncrc9637 | | | |
| | SEOA4298a | | | |
| | ncrb7746 | | | |
| 909 | ncr0660 | MEMA protein | Y09703.1 | 5 |
| | ncr1920 | | | |
| | ncr6593 | | | |
| | SEOB2739 | | | |
| | SEOA2326a | | | |
| 910 | hfc0229 | moesin (MSN) | NM_002444.1 | 5 |
| | hfc1416 | | | |
| | ncr4518 | | | |
| | ncrc6331 | | | |
| | ncr1215 | | | |
| 911 | seob7050 | tubulin-specific chaperone a (TBCA) (=AF038952 cofactor A protein) | gi4759211 | 5 |
| | hfc5211 | | | |
| | miob0665 | | | |
| | ncr8760 | | | |
| | FCR1791 | | | |
| 912 | SEOA1039a | myosin class I, myh-1c | AJ001382 | 5 |
| | FCR3060 | | | |
| | ncr2272 | | | |
| | SEOA4871a | | | |
| | SEOA6197a | | | |
| 913 | SEOA2962a | oligodendrocyte myelin glycoprotein (OMG) | L05367 | 5 |
| | hfc8018 | | | |
| | SEOB1386 | | | |

Figure 6A - Continued

| | | | |
|--|--|--------------------------------|------------|
| SEOB2965 miob4130 914 MIOA6567a seob2592 seob7091 ncrc9173 hfc0572 915 hfc2930 | activin A receptor, type I (ACVR1) =Z22534 ALK-2 CD81 antigen (target of antiproliferative antibody 1) (CD81) | NM_001105.1 NM_004356.1 | 5 5 |
| hfc6285 hfc9092 hfc9943 hfc5768 916 ncr5570 SEOB1673 ncr6160 ncrb1890 ncrb1399 | CDA14 (RefSeq aa 2e-31) | NP_057654.1 | 5 |
| 917 SEOA1452a hfc8398 MIOA3353a MIOA6080a SEOA5436 | mannose 6-phosphate receptor, 46 kD (MPR46) | X56257 | 5 |
| 918 hfc4645 ncr2586 ncrc6717 ncr8282 ncr8596 | secreted frizzled-related protein 1 (SFRP1) | NM_003012.2 | 5 |
| 919 MIOA6240a miob1106 fcrb1065 hfc1360 seob6482 | calcineurin A2 | M29551 | 5 |
| 920 SEOB3565 MIOA4017a MIOA4029a SEOB1728 SEOB2282 | activin beta-A subunit (=cDNA FLJ11041 fis, clone PLACE1004405, dbj AK001903.1) | X57580.1 | 5 |
| 921 MIOA2989a fcrb1230 FCR5791 FCR7610 FCR7043 | insuline-like growth factor II receptor | Y00285 | 5 |
| 922 HFCR3073 ncrb2451 ncrc6530 mioa7852 ncrb0938 | calcium modulating cyclophilin ligand CAMLG (CAMLG) | AF068179.1 | 5 |
| 923 seob5636 mioa9975n ncr2029 ncrb8166 ncrb3200 | polycystic kidney disease 2 (autosomal dominant) | NM_000297.1 | 5 |
| 924 FCR1150 FCR1439 fcrb0036 hfc1066 | Thy-1 glycoprotein | M11749 | 5 |

Figure 6A - Continued

| | | | |
|---------------|--|-------------|---|
| hfc9844 | | | |
| 925 SEOA1598a | histone (H2A.Z) | M37583 | 5 |
| SEOA2071 | | | |
| SEOA3584a | | | |
| SEOA8663 | | | |
| SEOB0302 | | | |
| 926 SEOA3038a | histone H4 | X67081 | 5 |
| SEOA8274 | | | |
| SEOB3417 | | | |
| SEOA5174a | | | |
| SEOB3496 | | | |
| 927 SEOA1036a | M-phase phosphoprotein homologue | AF100742.1 | 5 |
| mioa1179m | | | |
| ncrc1481 | | | |
| ncrc6888 | | | |
| SEOA9015 | | | |
| 928 miob3353 | cell division cycle 27 (CDC27) | NM_001256.1 | 5 |
| ncrb8596 | | | |
| ncrc4734 | | | |
| ncrb0931 | | | |
| ncr8473 | | | |
| 929 SEOA2686 | GTP-binding protein (RAB1) | M28209 | 5 |
| SEOA5900 | | | |
| SEOB0519 | | | |
| SEOB0848a | | | |
| ncrb4232 | | | |
| 930 SEOB0266 | prefoldin 4 (PFDN4) | gi4505740 | 5 |
| SEOB1380 | | | |
| seob8345 | | | |
| seob3710 | | | |
| fcrb2507 | | | |
| 931 hfc92031 | replication factor C (activator 1) 1 (145kD) (RFC1) mRNA | NM_002913.1 | 5 |
| fcrb1448 | | | |
| hfc93951 | | | |
| ncr5662 | | | |
| seob6711 | | | |
| 932 seob7530 | replication protein A3 (14kD) (RPA3) | NM_002947.1 | 5 |
| SEOA9664 | | | |
| ncrb4699 | | | |
| miob3118 | | | |
| MIOA1632a | | | |
| 933 SEOA5363 | anaphase promoting complex subunit 10 | AF132794.1 | 5 |
| MIOA8020a | | | |
| miob4601 | | | |
| seoa2072n | | | |
| ncrc0511 | | | |
| 934 seob6041 | KIAA0075 | D38550.1 | 5 |
| seob6721 | | | |
| ncr0235 | | | |
| ncr8546 | | | |
| ncrc0805 | | | |
| 935 miob3357 | KIAA0336 gene | NM_014635.1 | 5 |
| SEOA3575a | | | |
| SEOA9442 | | | |
| ncrc1701 | | | |
| ncr3168 | | | |
| 936 SEOB3332 | KIAA0527 | AB011099.1 | 5 |
| ncrb2010 | | | |

Figure 6A - Continued

| | | | |
|---------------|--|-------------|---|
| ncr0181 | | | |
| ncrb2761 | | | |
| hfc6936 | | | |
| 937 MIOA7110a | KIAA0573 | AB011145 | 5 |
| MIOA5841a | | | |
| seob4605 | | | |
| MIOA6981a | | | |
| ncr5995 | | | |
| 938 MIOA8187 | KIAA0610 | AB011182 | 5 |
| ncrb0760 | | | |
| SEOA9885 | | | |
| mioa9806 | | | |
| ncrb7611 | | | |
| 939 MIOA8150 | KIAA0810 | AB018353.1 | 5 |
| FCR5072 | | | |
| SOA0541 | | | |
| fcrb0052 | | | |
| ncrc7092 | | | |
| 940 SEOA3229 | KIAA1073 | AB028996.1 | 5 |
| seob8276 | | | |
| MIOA2622 | | | |
| seob5549 | | | |
| fcrb2485 | | | |
| 941 SEOA4795a | PTD011 | AF078864 | 5 |
| SEOA4696a | | | |
| seob6588 | | | |
| mioa9986n | | | |
| ncrc9169 | | | |
| 942 seob5816 | retrovirus-related hypothetical protein II (=X52235 ORFII) | S23650 | 5 |
| ncr2476 | | | |
| hfc3582 | | | |
| ncrc5313 | | | |
| ncrc9280 | | | |
| 943 miob6539 | SRY (sex-determining region Y)-box 5 (SOX5) | NM_006940.1 | 5 |
| ncr9940 | | | |
| SEOB0547 | | | |
| miob6467 | | | |
| ncr8610 | | | |
| 944 hfc1635 | YEA1 (YY1 and E4TF1 associated factor 1) | AB029551.1 | 5 |
| hfc0259 | | | |
| ncr8659 | | | |
| miob2469 | | | |
| ncrb3975 | | | |
| 945 MIOA4476a | glucan (1,4-alpha-), branching enzyme 1(ORF)(glycogen branching enzyme, Andersendisease, glycogen storage disease type IV) (GBE1) mRNA | NM_000158.1 | 5 |
| ncr4621 | | | |
| MIOA0866a | | | |
| ncrc2689 | | | |
| seob2328 | | | |
| 946 FCR4786 | hexokinase 1 (HK1) (=AF016365;X66957) | M75126 | 5 |
| FCR2081 | | | |
| hfc1560 | | | |
| ncrc7023 | | | |
| miob6814 | | | |
| 947 hfc0854 | fatty acid binding protein 5 (psoriasis-associated) (FABP5) | NM_001444.1 | 5 |

Figure 6A - Continued

| | | | | |
|--------------|--|-------------|---|--|
| miob3808 | | | | |
| miob3872 | | | | |
| fcrb1839 | | | | |
| ncrc6545 | | | | |
| 948 SEOA5382 | oxysterol-binding protein | AB017026 | 5 | |
| ncr4604 | | | | |
| ncrc3763 | | | | |
| CR0972 | | | | |
| mioa7803a | | | | |
| 949 SEOA9689 | ubiquinol-cytochrome c reductase core protein II (UQCRC2)(ORF) = J04973.1 | NM_003366.1 | 5 | |
| ncrb1517 | | | | |
| fcrb2547 | | | | |
| fcrb1652 | | | | |
| MIOA5686 | | | | |
| 950 miob4933 | amino acid transporter system A (ATA2) (=AB037803.1 Human KIAA1382) | AF249673.1 | 5 | |
| ncrb4302 | | | | |
| ncrc4129 | | | | |
| ncrc8971 | | | | |
| miob2459n | | | | |
| 951 miob3461 | Arginine-rich protein (ARP) | NM_006010.1 | 5 | |
| SEOA1404 | | | | |
| SEOA2761 | | | | |
| seob4794 | | | | |
| FCR4366 | | | | |
| 952 FCR4614 | translation initiation factor (=D21853 hypothetical protein (KIAA0111)) | X79538 | 5 | |
| seob4065 | | | | |
| ncrb2933 | | | | |
| ncr8144 | | | | |
| SEOA5762 | | | | |
| 953 ncrb6073 | proteasome (prosome macropain) beta type, 4 (PSMB4) | NM_002796.1 | 5 | |
| ncr5742 | | | | |
| ncrb5044 | | | | |
| ncrc0383 | | | | |
| hfc7775 | | | | |
| 954 ncr2459 | proteasome (prosome, macropain) 26Ssubunit, ATPase, 2 (RefSeq aa 2e-60) | NP_002794.1 | 5 | |
| ncrb4777 | | | | |
| ncrc0393 | | | | |
| ncrb0874 | | | | |
| ncrc4306 | | | | |
| 955 hfc7789 | PEX10 peroxisome biogenesis factor (peroxin) 10 | AB013818.1 | 5 | |
| hfc7838 | | | | |
| hfc7583 | | | | |
| hfc6369 | | | | |
| hfc7746 | | | | |
| 956 miob3432 | DNA-dependent protein kinase catalytic subunit (DNA- PKcs) | U47077.3 | 5 | |
| FCR2419 | | | | |
| hfc0091 | | | | |
| hfc0187 | | | | |
| ncrc2069 | | | | |
| 957 ncr0191 | putative translation initiation factor(RefSeq aa 4e-60) | NP_005792.1 | 5 | |
| ncrc1497 | | | | |
| ncr9515 | | | | |
| ncrc5247 | | | | |

Figure 6A - Continued

| | | | |
|---------------|--|-------------|---|
| ncrb0845 | | | |
| 958 SEOA8909 | transcription factor forkhead-like 7 (FKHL7) gene | AF048693.1 | 5 |
| ncr8743 | | | |
| ncrc6499 | | | |
| seoa3411an | | | |
| ncr5767 | | | |
| 959 miob6536 | polyadenylate binding protein-interacting protein 1 (PAIP1) | NM_006451.1 | 5 |
| ncr6059 | | | |
| MIOA0610a | | | |
| SEOB2022 | | | |
| MIOA4819a | | | |
| 960 MIOA9116 | protein-L-isoaspartate (D-aspartate) O-methyltransferase (PCMT1) (ORF) | NM_005389.1 | 5 |
| MIOA4416 | | | |
| MIOA4229 | | | |
| seob5195 | | | |
| SEOB0995 | | | |
| 961 SEOA1263A | CGI-130 protein | AF151888.1 | 5 |
| MIOA7147a | | | |
| ncrc0669 | | | |
| seob5114 | | | |
| ncrc6087 | | | |
| 962 fcrb0359 | endocytic receptor (macrophage mannose receptor family) (KIAA0709) | NM_006039.1 | 5 |
| hfcr7365 | | | |
| FCR7329 | | | |
| FCR0763 | | | |
| hfcr9673 | | | |
| 963 ncr3040 | glucocorticoid receptor AF-1 specific elongation factor | AF174496.1 | 5 |
| hfcr2596 | | | |
| hfcr7725 | | | |
| hfcr9501 | | | |
| ncrb2809 | | | |
| 964 ncrb4015 | thrombospondin 3 (THBS3) (RefSeq aa 3e-59) | NP_009043.1 | 5 |
| ncrc0916 | | | |
| ncrc9269 | | | |
| BFCW0093 | | | |
| ncrb1422 | | | |
| 965 SEOA3359a | cyclin G2 | U47414 | 5 |
| seob6850 | | | |
| seob5669 | | | |
| ncrc0847 | | | |
| MIOA1214 | | | |
| 966 hfcr9341 | nucleolar phosphoprotein p130 (P130) | NM_004741.1 | 5 |
| ncrb8204 | | | |
| hfcr9909 | | | |
| ncrb2496 | | | |
| ncrb6576 | | | |
| 967 seob4861 | polymerase (RNA) II polypeptide G (POLR2G) | NM_002696.1 | 5 |
| ncr3951 | | | |
| ncrb4402 | | | |
| ncrc3632 | | | |
| hfcr6670 | | | |
| 968 SEOA4647a | KIAA0433 (ORF) | AB007893 | 5 |
| seob4659 | | | |
| ncrb5017 | | | |
| ncrc2472 | | | |

Figure 6A - Continued

| | | | |
|---|---|-------------|---|
| ncrb7696 969 SEOA3403a MIOA2700a SEOA9256 ncrc1525 MIOA3685a | KIAA0729 | AB018272.1 | 5 |
| 970 MIOA5085a seob6448 SEOA8605 SEOA9184 SEOB1330 | KIAA1038 | AB028961 | 5 |
| 971 seob5899 hfcr7047 ncrc0096 seoa6809 MIOA6252a | KIAA1058 protein | AB028981.1 | 5 |
| 972 miob2885 | lipoma preferred partner (LPP) gene, exon 11, and complete cds | U49968.1 | 5 |
| ncrb1827 MIOA2261a MIOA8676 ncrb2063 | | | |
| 973 ncr6292 ncrc4076 FCR6998 SEOA2744 SOA0156 | prostate cancer tumor suppressor (N33) | NM_006765.1 | 5 |
| 974 MIOA1277m ncrb7903 mioa7768a ncrc5303 MIOA2998a | protein S alpha gene (PROS1) | M36564 | 5 |
| 975 ncrb2170 miob1331 ncrc2043 ncrc2250 seob5092 | NADH-UBIQUINONE OXIDOREDUCTASE CHAIN 4L | spP03901 | 5 |
| 976 fcrb1296 hfcr2940 hfcr6380 hfcr7585 hfcr1124 | ribosomal protein L36 60S | AF077043 | 5 |
| 977 seoa7970 | peptidylprolyl isomerase A (cyclophilin A) (PPIA), mRNA /cds=(44,541) /gb=NM_021130 /gi=10863926 /ug=Hs.342389 /len=753 | Hs.342389 | 5 |
| fcrb1523 ncrc3978 ncrb6939 ncrb3852 | | | |
| 978 hfcr1137 hfcr6029 hfcr1926 BFCN0055 BFCS0338 | calpobindin II= ANNEXIN VI | D00510.1 | 5 |
| 979 SEOA4786a BFCS0547 FCR4007 hfcr0309 | thioredoxin peroxidase (antioxidant enzyme) (AOE372) =U25182(ORF) | NM_006406.1 | 5 |

Figure 6A - Continued

| | | | |
|---------------|---|-------------|---|
| mioa9868 | | | |
| 980 SEOB1208 | cytoskeletal tropomyosin TM30(nm) | X04588.1 | 5 |
| hfc3733 | | | |
| miob1829 | | | |
| ncrc2948 | | | |
| ncrc2948 | | | |
| 981 seob7952 | LIV-1 protein, estrogen regulated (LIV-1) (=U41060) | 7106340 | 5 |
| ncr4456 | | | |
| ncrc3489 | | | |
| seoa5764n | | | |
| MIOA2303a | | | |
| 982 ncr2398 | dehydrogenase subunit 4 (RefSeq aa 3e-34) | gi5835397 | 5 |
| ncrb2245 | | | |
| ncrc6897 | | | |
| ncrc4303 | | | |
| ncrc5033 | | | |
| 983 seoa7828a | phosphoglycerate mutase 1 (brain) (PGAM1), mRNA /cds=(31,795) /gb=NM_002629 /gi=4505752 /ug=Hs.181013 /len=1709 | Hs.181013 | 5 |
| seob3893 | | | |
| hfc2965 | | | |
| hfc6961 | | | |
| ncrc3529 | | | |
| 984 MIOA8512 | ribosomal RNA 16S gene | AF036006.1 | 5 |
| MIOA4182 | | | |
| SEOA4718a | | | |
| MIOA8748 | | | |
| MIOA2521a | | | |
| 985 MIOA2140 | Zn-15 transCRiption factor (Zfp-15) (=AB011102 Human KIAA0530) | AF017806 | 5 |
| hfc1387 | | | |
| hfc6412 | | | |
| ncrc4835 | | | |
| ncrc9880 | | | |
| 986 SEOA0207a | tetraspan TM4SF(TSPAN-6) | AF053453 | 5 |
| SEOB3143 | | | |
| SOA0692 | | | |
| ncrc0994 | | | |
| FCR4382 | | | |
| 987 seoa7989 | CGI-119 protein (LOC51643), mRNA /cds=(0,776) /gb=NM_016056 /gi=7706334 /ug=Hs.283670 /len=1325 | Hs.283670 | 5 |
| SEOA5994a | | | |
| seob4211 | | | |
| ncr0918 | | | |
| ncrb8318 | | | |
| 988 ncr9440 | laminin, gamma 1 (formerly LAMB2) (LAMC1), | NM_002293.2 | 5 |
| ncr9836 | | | |
| ncrc5436 | | | |
| hfc9622 | | | |
| ncr4986 | | | |
| 989 SEOA1084a | Rosenthal fiber protein (alpha-B-Crystallin) | M24906 | 5 |
| hfc8407 | | | |
| MIOA8863 | | | |
| SEOA8910 | | | |
| ncrb4960 | | | |
| 990 ncrb3501 | BPTF mRNA for bromodomain PHD finger transcription factor | AB032251.1 | 5 |
| MIOA5865a | | | |

Figure 6A - Continued

| | | | |
|----------------|--|-------------|---|
| seob6773 | | | |
| seob6773 | | | |
| ncrb3501 | | | |
| 991 fcrb1995 | nucleosome assembly protein 1-like 1 (NAP1L1) | XM_047969.1 | 5 |
| hfc9031 | | | |
| ncrc4352 | | | |
| hfc4145 | | | |
| mioa9276 | | | |
| 992 BFCS0082 | alpha subunit of GsGTP binding protein (GSA) | X56009 | 4 |
| MIOA0908a | | | |
| SEOA6088a | | | |
| SEOA8565 | | | |
| 993 hfc9219 | ring finger protein 4 (RNF4) | gi4506560 | 4 |
| miob2423 | | | |
| ncr2309 | | | |
| SEOA7126a | | | |
| 994 ncrb8000 | small nuclear ribonucleoprotein polypeptide E (SNRPE) | NM_003094.1 | 4 |
| seob3882 | | | |
| seob5185 | | | |
| seob6504 | | | |
| 995 BFCN0168n | ATP synthase, H transporting, mitochondrial F0 complex, subunit b, isoform 1 (ATP5F1), nuclear gene encoding mitochondrial | NM_001688.1 | 4 |
| hfc1792 | | | |
| hfc1913 | | | |
| seob6758 | | | |
| 996 miob0788 | capping protein (actin filament) muscle Z-line, alpha 2 (CAPZA2) | NM_006136.1 | 4 |
| ncr3673 | | | |
| ncr9659 | | | |
| FCR5257 | | | |
| 997 MIOA6719a | TSE1=protein kinase A regulatory subunit | S54711 | 4 |
| ncr7808 | | | |
| ncrc0368 | | | |
| SEOA7256a | | | |
| 998 fcrb2525 | proteasome (prosome, maCRopain) subunit, beta type, 3 (PSMB3) | NM_002795.1 | 4 |
| miob4255 | | | |
| SEOA4778a | | | |
| SEOB2077 | | | |
| 999 miob5855 | Hmob33 protein | Y14155.1 | 4 |
| SEOA5493a | | | |
| SEOA4865a | | | |
| SEOA9955 | | | |
| 1000 miob3743 | transmembrane 9 superfamily member 2 (TM9SF2) | NM_004800.1 | 4 |
| miob4015 | | | |
| miob6313 | | | |
| hfc0530 | | | |
| 1001 MIOA1979a | procollagen C-proteinase enhancer protein, type 1 | AB008549 | 4 |
| FCR0282 | | | |
| FCR5320 | | | |
| FCR5788 | | | |
| 1002 MIOA6232a | differentiated embryo chondrocyte expressed gene 1 (DEC1) | AB004066 | 4 |
| MIOA0951 | | | |
| MIOA6248a | | | |
| FCR6785 | | | |
| 1003 seob7374 | trinucleotide repeat containing 3 (TNRC3) | NM_005878.1 | 4 |

Figure 6A - Continued

| | | | |
|----------------|---|-------------|---|
| seob7374 | | | |
| ncr0987 | | | |
| seob4486 | | | |
| 1004 FCR2210 | MHC class I (HLA-A) | U59701 | 4 |
| FCR6319 | | | |
| fcrb0607 | | | |
| ncrb3867 | | | |
| 1005 miob5816 | glutathione S-transferase M3 (brain) (GSTM3) | NM_000849.1 | 4 |
| ncr3709 | | | |
| ncr4846 | | | |
| SEOA9777 | | | |
| SEOB1507 | | | |
| 1006 SEOA8892 | muscle specific gene M9 (=PTD001) | BAA76626.1 | 4 |
| ncrc5079 | | | |
| ncr5409 | | | |
| ncrc2273 | | | |
| 1007 SEOB2128 | platelet-derived growth factor receptor-like (PDGFRL) | NM_006207.1 | 4 |
| ncrc4226 | | | |
| SEOB3537 | | | |
| ncr0788 | | | |
| 1008 SEOA2272a | COBW-like placental protein | AF065414 | 4 |
| SEOA6186a | | | |
| SEOA6600a | | | |
| SOA0487 | | | |
| 1009 MIOA7353a | SUMO-1-specific protease (KIAA0797) | NM_015571.1 | 4 |
| ncrb1915 | | | |
| ncrb7655 | | | |
| SEOA7647a | | | |
| 1010 SEOB2939 | p58/GTA (galactosyltransferase associated protein kinase) | M37712.1 | 4 |
| miob5963 | | | |
| ncr3302 | | | |
| ncr8294 | | | |
| 1011 miob3470 | lysophospholipase I (LYPLA1) | NM_006330.1 | 4 |
| miob5653 | | | |
| seob6895 | | | |
| seoa6774 | | | |
| 1012 hfc6935 | proteasome (prosome, macropain) subunit, beta type, 7 (PSMB7) | NM_002799.1 | 4 |
| ncr8803 | | | |
| ncrc4629 | | | |
| hfc6045 | | | |
| 1013 MIOA9179 | chaperonin containing TCP1, subunit 8 (theta) (CCT8)(ORF) | NM_006585.1 | 4 |
| fcrb0255 | | | |
| ncr8487 | | | |
| ncr7514 | | | |
| 1014 ncr6619 | Sec23 (S. cerevisiae) homolog A (RefSeq aa 5e-49) | NP_006355.1 | 4 |
| ncrb3776 | | | |
| MIOA8932 | | | |
| MIOA0145 | | | |
| 1015 SEOB3151 | Translocon associated protein gamma subunit | spQ9UNL2 | 4 |
| MIOA2365a | | | |
| MIOA4299a | | | |
| MIOA4696 | | | |
| 1016 SEOA5376 | nuclear factor (erythroid-derived 2)-like 2 (NFE2L2) (=S74017 Nrf2=NF-E2-like basic leucine zipper transCRiptional activator) | gi5453775 | 4 |
| ncrc4728 | | | |

Figure 6A - Continued

| | | | |
|--|--|-------------|---|
| seob3867 hfc0580 1017 SEOA5094a | RAP1A, member of RAS oncogene family (RAP1A) =M22995 | NM_002884.1 | 4 |
| ncrb0737 ncrc1102 SEOA8980 1018 SEOA0782 SEOA0782 SEOA3822a seob7087 | RNaseP protein p30 (RPP30) | U77665 | 4 |
| 1019 hfc0749 hfc1214 hfc7846 hfc3385 | glutathione S-transferase P1c (GSTp1c) | U62589.1 | 4 |
| 1020 FCR1760 hfc0042 CR0929 FCR1760 | collagen type XV alpha 1 (COL15A1) | L25280 | 4 |
| 1021 seob6878 ncrb7571 miob6314 hfc7868 | myosin-binding protein C, cardiac (MYBPC3) | NM_000256.1 | 4 |
| 1022 miob5891 miob1802 miob5891 SEOA5279a | secreted frizzled-related protein 4 (SFRP4) | NM_003014.2 | 4 |
| 1023 seob6026 CR0881 ncrc5783 seob3984 | IQ motif containing GTPase activating protein 1 (IQGAP1) | NM_003870.1 | 4 |
| 1024 MIOA4606a ncrb2429 ncr3698 MIOA4606a | cadherin 13,H-cadherin (heart) (CDH13) | NM_001257.1 | 4 |
| 1025 ncr4104 ncr8167 ncrc1896 ncrc9916 | Death associated protein 3 (DAP3) | NM_004632.1 | 4 |
| 1026 FCR5181 FCR7091 miob1823 ncrc6521 | enhancer of polycomb (Epc1) | AF079765 | 4 |
| 1027 miob4308 ncrb4088 seoa8164 MIOA4156 | mesenchyme homeo box 2 (growth arrest-specific homeo box) (MEOX2) | NM_005924.1 | 4 |
| 1028 hfc2295 hfc7363 hfc1410 hfc9399 | nucleolar autoantigen | NM_006455.1 | 4 |
| 1029 hfc9794 miob4207 mioa9196 MIOA4365a | ADP/ATP carrier protein(ANT-2) gene | L78810.1 | 4 |
| 1030 hfc5030 ncrc9563 | S100 calcium-binding protein, beta (neural) (S100B) | NM_006272.1 | 4 |

Figure 6A - Continued

| | | | |
|---|---|-------------|---|
| ncr8921 ncrc3918 1031 hfc2781 hfc6915 hfc9035 hfc3583 1032 ncrb7726 | 3-phosphoglycerate dehydrogenase (PGAD) | NM_006623.1 | 4 |
| ncrb1972 ncrc1684 ncrc4497 1033 SEOB3545 FCR0010 SEOA0390 SEOB0161 1034 ncr3118 ncr2084 ncr6759 seoa7711a 1035 FCR0141 ncr3193 ncr6161 ncr8874 1036 ncrb5117 | phosphoinositol 3-phosphate binding protein-1 (PEPP1) | NM_020904.1 | 4 |
| FCR4629 seob5984 MIOA1729a 1037 MIOA0187n ncrb3156 FCR2960 MIOA6118a 1038 FCR5799 | Dimethyladenosine transferase (HSA9761) | NM_014473.1 | 4 |
| mioa1216m hfc6843 FCR5799 1039 SEOB1100 | fatty-acid-Coenzyme A ligase, long-chain 4 (FACL4) | NM_004458.1 | 4 |
| seob4452 SEOA3565a hfc6774 1040 miob5751 | phosphatidic acid phosphatase 2b (PPAP2B) | AB000889 | 4 |
| SEOA9522 mioa9883 hfc8666 1041 ncr0531 ncrc4524 ncrc5060 ncrb3339 1042 SEOB2987 hfc1740 hfc0161 fcr4791 1043 miob3496 ncr1348 ncrb3793 | ATP synthase, H transporting, mitochondrial F0 complex, subunit f, isoform 2 (ATP5J2) | NM_004889.1 | 4 |
| | cytochrome c oxidase subunit Vb (coxVb) | M19961 | 4 |
| | methylenetetrahydrofolate dehydrogenase-methenyltetrahydrofolate cyclohydrolase-formyltetrahydrofolate synthetase | J04031 | 4 |
| | methyl-CpG binding domain protein 2 (MBD2), transCRIpt variant 1 | gi7710146 | 4 |
| | proteasome (prosome, macropain) subunit, alpha type, 2 (PSMA2) | NM_002787.1 | 4 |
| | hypoxia-inducible protein 2 (HIG2) | NM_013332.1 | 4 |
| | CAAX box 1 (CXX1) | fi4503180 | 4 |
| | forkhead box O1A (rhabdomyosarcoma) (FOXO1A) | NM_002015.1 | 4 |

Figure 6A - Continued

| | | | | |
|----------|-----------|--|-------------|---|
| ncrb4079 | | | | |
| 1044 | SEOB0220 | heterogeneous nuclear protein similar to rat helix destabilizing protein (FBRNP) | NM_005758.1 | 4 |
| | MIOA0530 | | | |
| | SEOA0254a | | | |
| | ncr1356 | | | |
| 1045 | SEOB1865 | Golgi vesicular membrane trafficking protein p18 (BET1) | gi5031610 | 4 |
| | miob4263 | | | |
| | seob5169 | | | |
| | ncrb1230 | | | |
| 1046 | miob0745 | hect domain and RLD 2(HERC2) (=KIAA0393) | NM_004667.2 | 4 |
| | ncrb2311 | | | |
| | SEOA9803 | | | |
| | hfcr8485 | | | |
| 1047 | hfcr7635 | collagen type IV alpha (2) chain | X05610.1 | 4 |
| | FCR4896 | | | |
| | FCR0175 | | | |
| | hfcr9902 | | | |
| 1048 | MIOA5594a | cofilin isoform 1 | AF134802 | 4 |
| | SEOA9652 | | | |
| | miob3403 | | | |
| | SEOB1014 | | | |
| 1049 | miob4274 | myosin IXA (MYO9A) | NM_006901.1 | 4 |
| | ncrb0507 | | | |
| | ncrb7505 | | | |
| | ncrb7534 | | | |
| 1050 | MIOB2122 | fukutin | AB038490.1 | 4 |
| | ncrc2708 | | | |
| | SEOA9253 | | | |
| | seob4162 | | | |
| 1051 | seob6882 | G protein-coupled receptor 64 (GPR64) | NM_005756.1 | 4 |
| | miob5611 | | | |
| | ncrb5913 | | | |
| | miob0635 | | | |
| 1052 | MIOA5586a | germline T-cell receptor beta chain | U66061 | 4 |
| | fcrb2506 | | | |
| | SEOB1174 | | | |
| | miob3266 | | | |
| 1053 | seob3684 | signal sequence receptor, alpha (translocon-associated protein alpha) (SSR1) (=DCN) | NM_003144.2 | 4 |
| | ncr4114 | | | |
| | ncr9981 | | | |
| | ncrc9879 | | | |
| 1054 | FCR4899 | signal sequence receptor, beta (translocon-associated protein beta) (SSR2) (=D37991) | X74104 | 4 |
| | hfcr8941 | | | |
| | ncrc3391 | | | |
| | BFCS0417 | | | |
| 1055 | SEOB3414 | SH3 domain binding glutamic acid-rich protein like (SH3BGRL) | NM_003022.1 | 4 |
| | ncr3411 | | | |
| | miob6804 | | | |
| | MIOA8335 | | | |
| 1056 | ncrb6109 | neuroendocrine-specific protein-like protein 1 (NSPL1) | AF119297.1 | 4 |
| | ncrc8861 | | | |
| | miob0601 | | | |
| | mioa9519 | | | |

Figure 6A - Continued

| | | | | |
|------|---|--|-------------|---|
| 1057 | SEOA8621 ncr0540 seob4453 ncrb8273 | ARFGAP1 protein (ARFGAP1) | AF111847.1 | 4 |
| 1058 | FCR0843 fcrb0184 ncrb5341 ncr1519 | gelsolin, plasma (GSN) | X04412 | 4 |
| 1059 | MIOA1496 SEOB2205 hfc0817 ncrb7822 | integrin cytoplasmic domain associated protein (Icap-1a) | AF012023 | 4 |
| 1060 | ncr3577 hfc6620 ncrb0140 miob1937 | integrin, alpha E (antigen CD103, human mucosal lymphocyte antigen 1; alpha polypeptide) (ITGAE) | NM_002208.3 | 4 |
| 1061 | SEOA1570 SEOA3813a seob8077 seob5974 | acidic 82 kDa protein | U15552 | 4 |
| 1062 | MIOA0702 SEOA2618 ncrc9603 ncrb0353 | BUP | AF078848.1 | 4 |
| 1063 | hfc9012 ncrb7387 ncrb0755 hfc6372 | C90RF3 | AF043897.1 | 4 |
| 1064 | hfc2985 SEOA2838 ncrc3925 ncr1985 | chondrosarcoma-associated protein 2 (CSA2) | AF182645.1 | 4 |
| 1065 | SEOA2244a SEOA6347 SEOB0026 hfc1413 | density regulated protein drp1 | AF038554.1 | 4 |
| 1066 | SEOA7652a SEOA8743 SEOB1618 SEOB0100 | E2IG5 | AF191020 | 4 |
| 1067 | hfc8004 ncrb3537 ncrc9709 seob5876 | housekeeping (Q1Z 7F5) gene | M81806.1 | 4 |
| 1068 | SEOA1634a seob5807 SEOA2468 MIOA7003a | HSPC039 protein | AF125100.1 | 4 |
| 1069 | SEOB1372 seob5042 seob7556 ncrc0379 | HSPC139 | AF161488.1 | 4 |
| 1070 | SEOA8738 MIOA3498a seob7218 mioa9740 | HSPC213 (=HSPC327) | AAF36133.1 | 4 |
| 1071 | SEOA8443 | KIAA0022 | BAA03498.1 | 4 |

Figure 6A - Continued

| | | | |
|----------------|----------|------------|---|
| ncrb1276 | | | |
| ncrc2379 | | | |
| seoa7007 | | | |
| 1072 SEOB1790 | KIAA0136 | D50926.1 | 4 |
| fcf6367 | | | |
| ncrc2635 | | | |
| hfcf4061 | | | |
| 1073 SEOB0336 | KIAA0232 | D86985.2 | 4 |
| seob2007 | | | |
| hfcf3752 | | | |
| seob7630 | | | |
| 1074 MIOA1427 | KIAA0235 | D87078 | 4 |
| hfcf2661 | | | |
| SEOA6644a | | | |
| ncr0584 | | | |
| 1075 FCR3483 | KIAA0251 | D87438 | 4 |
| hfcf8988 | | | |
| ncr4878 | | | |
| fcfb2664 | | | |
| 1076 SEOA5822 | KIAA0252 | D87440 | 4 |
| FCR3576 | | | |
| SEOA4106a | | | |
| ncrb7232 | | | |
| 1077 MIOA1584 | KIAA0256 | D87445 | 4 |
| MIOA6654a | | | |
| SEOA3232 | | | |
| ncr4989 | | | |
| 1078 SEOA2876 | KIAA0276 | D87466 | 4 |
| ncrc3700 | | | |
| mioa7937 | | | |
| miob2655n | | | |
| 1079 MIOA3367a | KIAA0429 | AB007889 | 4 |
| ncr8149 | | | |
| MIOA3367a | | | |
| miob6509 | | | |
| 1080 miob2900 | KIAA0477 | AB007946.1 | 4 |
| ncr7762 | | | |
| ncrc3451 | | | |
| ncrc4575 | | | |
| 1081 FCR6140 | KIAA0660 | AB014560 | 4 |
| MIOA3696a | | | |
| hfcf0032 | | | |
| hfcf0128 | | | |
| 1082 SEOB3216 | KIAA0671 | AB014571.1 | 4 |
| fcf6212 | | | |
| ncr9818 | | | |
| ncrb1208 | | | |
| 1083 SEOA7373a | KIAA0693 | AB014593 | 4 |
| seob1717 | | | |
| FCR0856 | | | |
| ncrb8404 | | | |
| 1084 MIOA2506a | KIAA0971 | AB023188.1 | 4 |
| MIOA7027a | | | |
| ncrc6382 | | | |
| ncrb2949 | | | |
| 1085 SEOB1818 | KIAA1102 | AB029025.1 | 4 |
| MIOA6432a | | | |
| MIOA6509a | | | |
| ncrc4203 | | | |

Figure 6A - Continued

| | | | | |
|------|---|---|-------------|---|
| 1086 | ncr0004 hfc1332 ncr5689 ncr2566 | KIAA1354 | AB037775 | 4 |
| 1087 | seob5075 ncr8350 ncrc2654 fcrb0348 | KIAA1376 protein | AB037797.1 | 4 |
| 1088 | miob6254 mioa9487 seob0423 ncrc6205 | KIAA1380 protein | AB037801.1 | 4 |
| 1089 | seob3887 seob7151 seob5741 SEOA9405 | KIAA1451 protein | AB040884 | 4 |
| 1090 | seob5193 ncrb0832 ncrb7012 ncrb8679 | mesenchymal stem cell protein DSC92 (LOC51335) | NM_016645.1 | 4 |
| 1091 | SEOB0787a SEOA7579a ncr8623 FCR0561 | nickel-specific induction protein (Cap43) | AF004162.1 | 4 |
| 1092 | MIOA2708a MIOA6100a ncr6005 ncrb5380 | NifU-like protein (hNifU) | U47101 | 4 |
| 1093 | seob6153 MIOA2281a seob8328 SEOA5225a | Nuclear antigen Sp100 (SP100) | NM_003113.1 | 4 |
| 1094 | seob4165 seob6396 fcrb1507 ncrb5448 | PRO1608 | AF119850.1 | 4 |
| 1095 | seob4766 SEOB1182 hfc3014 hfc9711 | PRO1828 | AF116669.1 | 4 |
| 1096 | SEOA0174a SEOA8526 ncr0799 miob2392 | promyelocytic leukemia cell | M11948 | 4 |
| 1097 | seob7535 ncrc9914 SEOA9158 ncr3893 | squamous cell carcinoma antigen recognized by T cell (SART-2) | NM_013352.1 | 4 |
| 1098 | SEOA3635a ncr2812 SEOA9926 ncrb8258 | STAT-induced STAT inhibitor-2 | AF037989 | 4 |
| 1099 | MIOA1055 MIOA1497 miob0763 ncrb5818 | vesicle transport-related protein | AF110646.1 | 4 |
| 1100 | SEOA0101 seob8330 | phosphoglucomutase 1 (PGM1) | M83088 | 4 |

Figure 6A - Continued

| | | | |
|--|--|-------------|---|
| ncrb8433 miob5035 | | | |
| 1101 SEOA2178a BFCW0511 BFCN0119 FCR0473 | transaldolase | L19437.2 | 4 |
| 1102 seob3720 MIOA8818 seoa4632a ncrb0779 | nucleotide binding protein, estradiol-induced (E2IG3) | NM_014366.1 | 4 |
| 1103 seob6812 ncr6586 miob3659 ncrc9956 | PDNP1 gene (nucleotide pyrophosphatase) | AF110304.1 | 4 |
| 1104 SEOB1850 ncr3705 FCR5628 MIOB2115 | phosphoribosyl pyrophosphate synthetase subunit I | D00860.1 | 4 |
| 1105 SEOA1883 SEOA7342a SEOB1518 hfcr9173 | dihydrolipoamide dehydrogenase | J03620 | 4 |
| 1106 hfcr9483 FCR4608 hfcr3547 MIOA1314a | lecithin-cholesterol acyltransferase (LCAT) | X04981.1 | 4 |
| 1107 seob5903 miob0716 miob6852 mioa7740a | phosphatase 1, catalytic subunit, gamma isoform (PPP1CC) mRNA | NM_002710.1 | 4 |
| 1108 SEOA2449a SEOA9065 hfcr9027 ncrb2467 | phospholipid sCRamblase 1 PLSCR1) | AF098642 | 4 |
| 1109 hfcr3473 miob4014 ncr2181 ncr7002 | serine palmitoyl transferase | AF111168.2 | 4 |
| 1110 SEOB3194 hfcr0686 ncrc5752 seob7313 | cytochrome oxidase subunit I (COI) and subunit II (COII) pseudogenes | AF035429.1 | 4 |
| 1111 SEOB0876a | cytochrome-c oxidase subunit VIIaL precursor (COX7AL) | AF134406.1 | 4 |
| miob5066 SEOB1071 seob8323 | | | |
| 1112 FCR1185N hfcr5439 hfcr6638 hfcr6877 | electron-transfer-flavoprotein, beta polypeptide (ETFB) | X71129 | 4 |
| 1113 seob7229 FCR0297 ncr0301 ncr3740 | NADH-ubiquinone oxidoreductase B17 | AF067167.1 | 4 |
| 1114 hfcr0609 | ubiquinol-cytochrome c reductase (6.4kD) subunit (UQCR) | NM_006830.1 | 4 |

Figure 6A - Continued

| | | | |
|----------------|--|-------------|---|
| hfc0838 | | | |
| miob7000 | | | |
| ncrb4771 | | | |
| 1115 seob5537 | acidic protein rich in leucines (SSP29) | NM_006401.1 | 4 |
| hfc4529 | | | |
| SEOB1568 | | | |
| hfc1855 | | | |
| 1116 SEOB1285 | Lysyl tRNA Synthetase | D32053.1 | 4 |
| hfc0906 | | | |
| SEOA8911 | | | |
| mioa9368 | | | |
| 1117 SEOA5683a | methionine aminopeptidase | U29607 | 4 |
| SEOB0925 | | | |
| ncr1244 | | | |
| ncrc4732 | | | |
| 1118 hfc9551 | eIF4E-like cap-binding protein (4EHP) (=translation initiation factor 4e) | NM_004846.1 | 4 |
| ncrb2929 | | | |
| FCR5472 | | | |
| FCR6862 | | | |
| 1119 MIOA6698a | proteasome-associated pad1 homologue (POH1) 26S | U86782 | 4 |
| FCR1456 | | | |
| FCR5999 | | | |
| ncrb8059 | | | |
| 1120 SEOB1862 | wbsCR1 (WBSCR1) | AF045555.1 | 4 |
| miob3164 | | | |
| ncrb2299 | | | |
| FCR0177 | | | |
| 1121 ncr8542 | basic transcription factor 3 (RefSeq aa 4e-39) | NP_001198.1 | 4 |
| ncrc9612 | | | |
| fcrb1809 | | | |
| mioa7814a | | | |
| 1122 miob4121 | isolate 5 12S ribosomal RNA gene | AF121220.1 | 4 |
| ncr2634 | | | |
| ncr2691 | | | |
| ncr6800 | | | |
| 1123 SEOA1535 | cathepsin F (CATSF) | AF071749 | 4 |
| hfc6784 | | | |
| hfc7763 | | | |
| ncr2797 | | | |
| 1124 SEOA2974a | metalloproteinase inhibitor TIMP-2 | AF127803.1 | 4 |
| SEOA3922 | | | |
| SEOA2833n | | | |
| MIOA1634a | | | |
| 1125 ncr0018 | protease inhibitor 6 (placental thrombin inhibitor) (PI6) | NM_004568.1 | 4 |
| ncrb6780 | | | |
| ncrc4294 | | | |
| ncr8856 | | | |
| 1126 seob5673 | proteasome (prosome, macropain) subunit, alpha type, 3 (PSMA3) | NM_002788.1 | 4 |
| hfc6658 | | | |
| miob0430 | | | |
| ncr3191 | | | |
| 1127 MIOA7415a | proteasome subunit Y (=X61971 maCRopain subunit delta) | D29012 | 4 |
| hfc6857 | | | |
| fcrb2685 | | | |
| hfc5903 | | | |

Figure 6A - Continued

| | | | |
|----------------|---|-------------|---|
| 1128 FCR4315 | protein activator of the interferon-induced protein kinase (PACT) | AF072860 | 4 |
| MIOA3514a | | | |
| MIOA2449a | | | |
| FCR4836 | | | |
| 1129 ncr9933 | peptidylprolyl isomerase F (cyclophilinF) (RefSeq aa 4e-43) | NP_005720.1 | 4 |
| ncrc2668 | | | |
| ncrc1421 | | | |
| ncrc4827 | | | |
| 1130 SEOA6151a | CCAAT/enhancer binding protein (C/EBP), delta (CEBPD) | 4885130 | 4 |
| ncr7142 | | | |
| ncr9376 | | | |
| ncrc6489 | | | |
| 1131 hfc3844 | CLP (CLPP) | L54057.1 | 4 |
| MIOA2031 | | | |
| SEOA8290 | | | |
| ncrb5197 | | | |
| 1132 FCR5941 | necdin | AB007828 | 4 |
| FCR6189 | | | |
| seob7347 | | | |
| seob6905 | | | |
| 1133 ncr7923 | oxidoreductase UCPA (RefSeq aa 4e-82) | NP_064524.1 | 4 |
| ncrc5548 | | | |
| ncrc6369 | | | |
| ncrb8378 | | | |
| 1134 miob3965 | ring finger protein (C3H2C3 type) 6 (RNF6) | NM_005977.1 | 4 |
| soa0078n | | | |
| MIOA5676 | | | |
| miob0359 | | | |
| 1135 MIOA0861a | TPRC (=X97124 papillary renal cell carcinoma (translocation-associated) (PRCC)) | X99720 | 4 |
| SEOA5721a | | | |
| SEOA6715 | | | |
| hfc6292 | | | |
| 1136 SEOA9740 | trinucleotide repeat DNA binding protein p20-CGGBP (CGGBP) gene, complete cds | AF094481 | 4 |
| ncr9347 | | | |
| SEOA9296 | | | |
| seob7984 | | | |
| 1137 SEOA9205 | twist gene | Y10871.1 | 4 |
| ncr1900 | | | |
| ncrb7616 | | | |
| SEOB1508 | | | |
| 1138 ncr0122 | Zinc finger protein expressed in cerebellum (KF1) (ORF) | NM_005667.1 | 4 |
| ncrc9689 | | | |
| miob0764 | | | |
| MIOB2194 | | | |
| 1139 ncr5473 | glycyl-tRNA synthetase; glycine tRNA ligase (RefSeq aa 1e-45) | NP_002038.1 | 4 |
| ncrb2042 | | | |
| ncr8589 | | | |
| fcrb2029 | | | |
| 1140 ncrb2606 | heterogeneous nuclear ribonucleoprotein H3 (2H9) (HNRPH3) (=hnRNP 2H9B) | NM_021644.1 | 4 |
| ncrc0972 | | | |
| seoa6759 | | | |

Figure 6A - Continued

| | | | |
|----------------|---|-------------|---|
| seoa6997 | | | |
| 1141 MIOA1680a | heterogenous nuclear RNA W16W | X17272 | 4 |
| MIOA1824a | | | |
| MIOA5606a | | | |
| MIOA7566a | | | |
| 1142 ncr9744 | nuclear matrix protein 55 | U89867.1 | 4 |
| seob5773 | | | |
| seob3645 | | | |
| miob0644 | | | |
| 1143 SEOA5552a | RNA binding motif protein 3 (RBM3) (=U28686) | 5803136 | 4 |
| SEOA7601a | | | |
| hfc8381 | | | |
| mioa1031m | | | |
| 1144 hfc8599 | RNA binding motif protein 5 (RBM5) | AF091263.1 | 4 |
| FCR2969 | | | |
| FCR3571 | | | |
| ncrb5063 | | | |
| 1145 SEOA5292a | snRNP protein B | X17567 | 4 |
| FCR5804 | | | |
| FCR6227 | | | |
| 1146 hfc80852 | splicing factor 3b, subunit 2, 145kD (SF3B2) | NM_006842.1 | 4 |
| fcrb2597 | | | |
| ncrb3349 | | | |
| ncrb6065 | | | |
| 1147 hfc6573 | splicing factor, arginine/serine-rich 4 (SFRS4) | NM_005626.1 | 4 |
| hfc9224 | | | |
| ncrb0457 | | | |
| ncrc8834 | | | |
| 1148 ncr9539 | U13 snRNA pseudogene U13.4B | X58062.1 | 4 |
| ncrb2116 | | | |
| ncrb2930 | | | |
| ncrc4786 | | | |
| 1149 ncr7539 | MIL1 protein (MIL1), nuclear gene encoding mitochondrial protein | NM_015367.1 | 4 |
| ncrb2368 | | | |
| ncr5372 | | | |
| ncr7985 | | | |
| 1150 ncr5649 | HLA class-I (HLA-A26) heavy chain | D32129.1 | 4 |
| ncrb4212 | | | |
| ncrc6304 | | | |
| ncrb7038 | | | |
| 1151 SEOA9344 | antigen identified by monoclonal antibodies 12E7, F21 and O13 (MIC2) mRNA | NM_002414.1 | 4 |
| hfc7046 | | | |
| hfc8532 | | | |
| fcrb2726 | | | |
| 1152 SEOA0024 | DNAJ domain-containing protein MCJ (MCJ) | AF126743.1 | 4 |
| SEOB0477 | | | |
| SEOA8768 | | | |
| miob4494 | | | |
| 1153 seob5562 | hepatocellular carcinoma-associated antigen 33 (HCA33) | AF244137.1 | 4 |
| hfc3967 | | | |
| seob5373 | | | |
| hfc2047 | | | |
| FCR6035 | | | |
| 1154 MIOB2720 | sperm antigen-36 | AF187554.1 | 4 |
| MIOB2728 | | | |
| SEOB0422 | | | |

Figure 6A - Continued

| | | | |
|--|--|-------------|---|
| SEOB0461 1155 ncr3713 | Tax1 (human T-cell leukemia virus type I) binding protein 1 (TAX1BP1) | NM_006024.2 | 4 |
| seob4022 MIOA5391a ncrb6068 1156 hfcr7576 | isolate Liv chaperone protein HSP90 beta (HSP90BETA) | AF275719.1 | 4 |
| ncr1628 hfcr9685 hfcr3515 1157 seob4493 | membrane component, chromosome 11, surface marker 1 (M11S1) = Z48042.1 GPI-anchored protein p137 | NM_005898.1 | 4 |
| FCR2160 fcrb0292 ncr6053 1158 MIOA5461a MIOA7014a MIOA5678 SEOA4798a | putative transmembrane protein E3-16 | AF092128.1 | 4 |
| 1159 SEOB3143 SOA0692 ncrc0994 SEOA0207a | tetraspan TM4SF (TSPAN-2) | AF054839.1 | 4 |
| 1160 fcrb1289 ncrb5180 ncrc2192 ncrc4985 | coagulation factor XIII, A1 polypeptide (F13A1) | NM_000129.1 | 4 |
| 1161 MIOA3275 | platelet-activating factor acetylhydrolase, isoform 1b, alpha subunit (PAFAH1B1) | 4557740 | 4 |
| SEOA9302 hfcr2862 ncr5492 1162 ncr0478 miob4451 ncrb7098 SEOA9837 | transferrin receptor (TFRC) gene | AF187320 | 4 |
| 1163 seob7752 ncrb8260 ncrb4731 ncrb4883 | divalent cation tolerant protein CUTA (LOC51596) | 7706243 | 4 |
| 1164 hfcr8877 ncr9462 ncrb4085 fcrb2755 | CGI-120 protein (LOC51644) | NM_016057.1 | 4 |
| 1165 MIOA3913a SEOB0633a ncr7484 ncrc7090 | CGI-127 protein | AF151885.1 | 4 |
| 1166 SEOA1104a seob5479 seob7619 ncr0242 | CGI-139 protein (=AF078858 PTD003) | AF151897.1 | 4 |
| 1167 ncr3402 ncr6275 hfcr8766 ncrb7509 | CGI-31 protein (LOC51075), | NM_015959.1 | 4 |
| 1168 MIOA1354a | CGI-34 protein | AF132968.1 | 4 |

Figure 6A - Continued

| | | | |
|-----------------------|--|-------------|---|
| ncr2920 | | | |
| SEOB1684 | | | |
| SEOB0069 | | | |
| 1169 FCR4787 | CGI-39 protein | AF132973.1 | 4 |
| FCR4907 | | | |
| hfc1748 | | | |
| hfc5702 | | | |
| 1170 SEOB1526 | CGI-74 protein | AF151832.1 | 4 |
| fcrb1394 | | | |
| ncrb0152 | | | |
| ncrb5941 | | | |
| 1171 FCR7318 | echinoderm miCRotubule-associated protein homolog HuEMAP | U97018 | 4 |
| FCR0530 | | | |
| ncr2601 | | | |
| hfc0990 | | | |
| 1172 FCR0703 | pericentrin (Pcnt) | U05823 | 4 |
| SEOA1621a | | | |
| hfc9768 | | | |
| seob3743 | | | |
| 1173 hfc4423 | MLL septin-like fusion protein MSF-A | AF189713.2 | 4 |
| fcrb1933 | | | |
| hfc3572 | | | |
| fcrb1460 | | | |
| 1174 MIOA6174a | nebulette (NEBL) | Y16241 | 4 |
| ncrb4408 | | | |
| ncrc1444 | | | |
| mioa1032m | | | |
| 1175 hfc1903 | myosin light chain 2 | NM_013292.1 | 4 |
| hfc2804 | | | |
| hfc6206 | | | |
| hfc0427 | | | |
| 1176 SEOB0343 | coxsackievirus and adenovirus receptor (CXADR) | AF200465.1 | 4 |
| ncrc2817 | | | |
| hfc6310 | | | |
| ncrb4613 | | | |
| 1177 ncrb0207 | discoidin domain receptor family, member 2 (DDR2) | NM_006182.1 | 4 |
| ncrb4907 | | | |
| ncrc1807 | | | |
| ncrc5719 | | | |
| 1178 MIOA0252a | epidermal growth factor receptor, precursor | X00588 | 4 |
| MIOA0358a | | | |
| MIOA2796a | | | |
| MIOB2699 | | | |
| 1179 SEOA1436a | insulin receptor | L07782 | 4 |
| hfc6960 | | | |
| ncr7257 | | | |
| ncrb5598 | | | |
| 1180 MIOA5411m | leptin receptor (ORF) | U66496 | 4 |
| contigmar28-29-010038 | | | |
| FCR5331 | | | |
| 1181 seob5203 | microvascular endothelial differentiation gene 1 product | AB026908.1 | 4 |
| miob3144 | | | |
| ncr3602 | | | |
| ncrc0413 | | | |
| 1182 miob4895 | vanilloid receptor; CARKL and CTNS; TIP1; P2X5b and P2X5a | AF168787.1 | 4 |
| fcrb2021 | | | |

Figure 6A - Continued

| | | | |
|--|---|-------------|---|
| SEOB2083 hfc9713 | | | |
| 1183 seob4090 | vitiligo-associated protein VIT-1 (VIT1) (=DKFZp564K2364) | AF264714.1 | 4 |
| ncrb5355 ncrb7258 miob6367 | | | |
| 1184 seob6413 miob6076 mioa7907 miob6378 | epithelial protein lost in neoplasm beta (EPLIN) | NM_016357.1 | 4 |
| 1185 SEOB1895 miob6523 ncrb4912 seob5095 | mitogen-activated protein kinase 3 (MAP4K3) | 4506376 | 4 |
| 1186 MIOA8361 | protein-kinase, interferon-inducible double stranded RNA dependent inhibitor (=p58k protein) | NP_006251.1 | 4 |
| ncr1109 ncr6899 hfc97713 | | | |
| 1187 SEOA4876a ncrb6843 seob5662 seob6559 | ser-thr protein kinase PK428 | U59305 | 4 |
| 1188 miob1044 | signal transducer and activator of transcription 1, 91kD (STAT1)(=transcription factor ISGF-3) | NM_007315.1 | 4 |
| hfc6864 hfc9911 ncr7630 | | | |
| 1189 miob6960 seoa7806a mioa8345n ncr3455 | angiopoietin-like 1 (ANGPTL1) | NM_004673.1 | 4 |
| 1190 mioa9456 | lens epithelium-derived growth factor gene, alternatively spliced, complete cds | AF199339.1 | 4 |
| MIOB2592 hfc2867 mioa1144 | | | |
| 1191 SEOA3296 ncrc3047 SEOA9733 SEOA4655a | transforming growth factor-beta 3 (TGF-beta 3) | X14891 | 4 |
| 1192 seob5209 | uncharacterized hypothalamus protein HARP11 (HARP11) | NM_018477.1 | 4 |
| MIOB2666 miob1354 hfc7817 | | | |
| 1193 miob3259 hfc1807 seob6355 seob6881 | calcium channel alpha1E subunit (CACNA1E) gene | AF223391.1 | 4 |
| 1194 SEOA9620 MIOA2377a ncr2774 miob1812 | multiple PDZ domain protein (MPDZ) = AF093419.1 | NM_003829.1 | 4 |
| 1195 SEOB2108 seob7602 ncrb3528 ncr0801 | heterochromatin-like protein 1 (HECH) | NM_016587.1 | 4 |

Figure 6A - Continued

| | | | | |
|------|---|--|-------------|---|
| 1196 | miob4793 ncr8967 ncr1324 fcrb1680 | high-glucose-regulated protein 8 (HGRG8) | AF192968.1 | 4 |
| 1197 | ncr3686 SEOA9723 ncr8208 ncrb0878 | BM-001 (=cyclin L ania-6a) | AF208843.1 | 4 |
| 1198 | ncr3825 hfc3730 ncrb1754 ncr6740 | caltractin (20kD calcium-binding protein) (CALT) | NM_004344.1 | 4 |
| 1199 | miob5443 MIOA7236a ncrb3013 MIOA4650a | cullin 1 (CUL1)+D1167 | AF062536.1 | 4 |
| 1200 | ncr3642 SOA0044 fcrb0196 fcrb0276 | cyclin D2(=KIAK0002 gene) | NM_001759.1 | 4 |
| 1201 | MIOA1343a MIOA6830a miob0891 MIOB2181 | M phase phosphoprotein 10 | X98494 | 4 |
| 1202 | seob8157 hfc9961 ncr1245 ncrb8624 | prefoldin 1 (PFDN1) | NM_002622.1 | 4 |
| 1203 | FCR4639 MIOA2747a SEOA9360 SEOA5249a | brain cellular apoptosis susceptibility protein (CSE1) | AF053641 | 4 |
| 1204 | miob1818 hfc30330 hfc5188 hfc6833 | p66shc (SHC) | U73377.1 | 4 |
| 1205 | ncr3442 SEOA5351 SEOA1382 ncrc9655 | adrenomedullin (ADM) | NM_001124.1 | 4 |
| 1206 | ncr0100 seob4996 ncrb3168 ncrb6700 | BUB3 (budding uninhibited by benzimidazoles 3, yeast) homolog (BUB3) = AF047472 | NM_004725.1 | 4 |
| 1207 | SEOB1166 miob0954 fcrb1073 miob3394 | proto-oncogene tyrosine-protein kinase (ABL) gene | U07563.1 | 4 |
| 1208 | ncr8096 ncrb2661 ncrc2284 seoa8011 | tumor endothelial marker 8 (TEM8) | AF279145.1 | 4 |
| 1209 | ncrc0194 ncrc6226 ncrc2748 ncrb5121 | hypothetical protein (RefSeq aa 5e-76) | NP_057578.1 | 4 |
| 1210 | SEOA5909 seob7710 | KIAA0206 | D86961 | 4 |

Figure 6A - Continued

| | | | |
|---|---|-------------|---|
| ncrc5564 ncrb3993 1211 FCR4576 SEOA2813 hfc6766 fcrb1501 | KIAA0877 | AB020684 | 4 |
| 1212 SEOB0228 ncrc5438 hfc8390 SEOA0074 | KIAA0993 | AB023210.1 | 4 |
| 1213 hfc0713 miob4106 hfc6183 fcrb2020 | KIAA1436 protein | AB037857.1 | 4 |
| 1214 seoa7793a | P311 protein (P311), mRNA /cds=(202,408) /gb=NM_004772 /gi=4758865 /ug=Hs.142827 /len=2036 | Hs.142827 | 4 |
| fcrb1616 ncrb8337 SEOB1956 1215 SEOA8771 | small EDRK-rich factor 1, long isoform (SERF1) (=btf2p44) | AF073519.1 | 4 |
| miob5445 hfc1307 ncrc6345 1216 miob5736 | v-yes-1 Yamaguchi sarcoma viral oncogene homolog 1 (YES1) | NM_005433.1 | 4 |
| SOA0368 miob4875 fcrb2605 1217 seob5767 hfc0612 miob0948 seob8086 | vacuolar ATPase isoform VA68 | AF113129.1 | 4 |
| 1218 hfc9536 | deoxyuridine triphosphatase(DUT) mRNA, complete cds | U62891.1 | 4 |
| miob0757 ncrc1885 FCR5349 1219 SEOA8564 SOA0643 SEOA9235 miob0411 | steroid dehydrogenase homolog | AF078850.1 | 4 |
| 1220 SEOB3141 | sterol carrier protein-X/sterol carrier protein-2 (SCP-X/SCP-2) | U11313.1 | 4 |
| ncrb6232 ncrc1127 seob4712 1221 SEOA7530a FCR1116 fcr3817n miob3890 | translin | X78627 | 4 |
| 1222 ncr0847 ncrb4370 ncr2270 ncr6711 | ribosomal protein L36a (RefSeq aa 1e-54) | NP_000992.1 | 4 |
| 1223 hfc0382 BFCS0457 FCR4971 | calpain-like protease (CANPX) | NM_014289.1 | 4 |

Figure 6A - Continued

| | | | | |
|------|--|--|-------------|---|
| 1224 | hfc7802 fcrb1259 BFCW0115 ncr5140 seob7102 | cysteinyl-tRNA synthetase | L06845.1 | 4 |
| 1225 | ncr3419 ncrc4047 mioa9974n ncr5296 | ubiquitin-like 3 (UBL3) | NM_007106.1 | 4 |
| 1226 | ncrb3975 seob7686 ncrc9592 SEOA4336a | YY1 transcription factor (YY1) | NM_003403.2 | 4 |
| 1227 | SEOB1251 hfc3043 hfc9099 SEOB3523 | SR protein (RNPS1) | AF015608.1 | 4 |
| 1228 | ncrb5058 ncrb2093 ncrc5104 ncrc5513 | major histocompatibility complex, class II, DR alpha (RefSeq aa 4e-78) | NP_061984.1 | 4 |
| 1229 | SEOA7169a seoa0964 MIOA5204a MIOA8146 | epb72 | X85117 | 4 |
| 1230 | mioa9234 mioa9242 FCR5663 FCR7710 | putative type II membrane protein (HP10390), (ORF) | NM_014255.1 | 4 |
| 1231 | SEOA8894 ncrb6524 ncrb8393 ncrc0948 | metallothionein 1X (MT1X) gene | X65607.1 | 4 |
| 1232 | SEOA2106 BFCW0177 FCR7039 MIOA1324a | ionizing radiation resistance conferring protein (=X83544 U18321 DAP-3) | | 4 |
| 1233 | ncr0110 MIOA0454 seob6004 ncr8099 | CGI-116 protein(LOC51019)(ORF)= AF155655 protein x 0009 mRNA | NM_016053.1 | 4 |
| 1234 | SEOA1277a SEOA9295 SOA0337 seob4754 | actin2 | D12816.1 | 4 |
| 1235 | SEOA0014 fcrb1160 fcrb1954 miob4850 | tropomyosin | M19267 | 4 |
| 1236 | seoa8119 ncrb7961 seoa6255n seoa6969 | integral membrane protein 2B (ITM2B), mRNA /cds=(170,970) /gb=NM_021999 /gi=11527401 /ug=Hs.239625 /len=1843 | Hs.239625 | 4 |

Figure 6A - Continued

| | | | | |
|------|--|--|-------------|---|
| 1237 | SEOA9131 MIOA5087a miob2677n ncrc6175 | inactive progesterone receptor, 23 kD (P23) = L24804.1= Q15185 (orf) | NM_006601.1 | 4 |
| 1238 | fcrb1072 FCR3025 CR0290 FCR6139 | RAN binding protein 1 (RANBP1), low match | NM_002882.2 | 4 |
| 1239 | FCR4954 BFCN0053 FCR5809 MIOA2077 | voltage-dependent anion channel isoform 1 (VDAC) | L06132 | 4 |
| 1240 | MIOA1149 mioa1148n seob4639 ncr8990 | histone acetyltransferase 1 | AF030424 | 4 |
| 1241 | miob6355 fcrb1914 ncr5232 ncrb7525 | Nijmegen breakage syndrome 1 (nibrin) (NBS1) | NM_002485.2 | 4 |
| 1242 | MIOA3239a mioa3229an miob6406 ncrb3506 | apoptosis-related protein TFAR15 (TFAR15) | AF022385 | 4 |
| 1243 | miob3147 SEOA9119 seoa2602n ncr5077 | septin 2-like cell division control protein | AF146760.1 | 4 |
| 1244 | hfcr0383 BFCN0186 ncr5200 ncrb4180 | tumor antigen (L6) | M90657.1 | 4 |
| 1245 | ncrb8063 ncrc9617 ncrb4729 ncr8503 | hypothetical 43.2 Kd protein (RefSeq aa 7e-35) | NP_057050.1 | 4 |
| 1246 | SEOA4330a FCR3134N seob7936 ncrb7377 | KIAA0592 (ORF) | AB011164 | 4 |
| 1247 | seob3996 SEOA4545 SEOA6510a miob4558 | KIAA0829 | AB020636 | 4 |
| 1248 | seob5414 seob4281 miob0082 ncrb5244 | KIAA1265 | AB033091 | 4 |
| 1249 | ncrc1871 ncrc1089 ncrb3119 ncrb6496 | murine mammary tumor integration site 6(oncogene homolog) (RefSeq aa 6e-84) | NP_001559.1 | 4 |
| 1250 | ncrc3036 ncrb7897 FCR2601 ncr9715 | PC3 cell line (TL27) | X75684.1 | 4 |
| 1251 | miob3741 | small acidic protein (IMAGE145052) | NM_014267.1 | 4 |

Figure 6A - Continued

| | | | |
|----------------|---|-------------|---|
| ncrc4955 | | | |
| seob5146 | | | |
| mioa9336 | | | |
| 1252 FCR0134 | lysophospholipase (LPL1) | AF081281 | 4 |
| SEOA2909a | | | |
| SEOA5912 | | | |
| SOA0478 | | | |
| 1253 SEOA1575a | mitochondrial ATP synthase subunit 9 | U09813 | 4 |
| CR0215 | | | |
| SEOB1226 | | | |
| fCR0215 | | | |
| 1254 seob6836 | hXBP-1 transcription factor DNA (=TREB protein) | L13850.1 | 4 |
| miob6743 | | | |
| ncrc0983 | | | |
| ncrc0983 | | | |
| 1255 FCR0704 | zinc finger protein(MAZ) | M94046 | 4 |
| FCR0739 | | | |
| hfcr7066 | | | |
| FCR3843 | | | |
| 1256 SEOB2295 | KARP-1-binding protein 3 (=KIAA0470) | AB022659.1 | 4 |
| ncr7647 | | | |
| FCR7063 | | | |
| MIOA4939a | | | |
| 1257 FCR2074 | miCRofibril-associated glycoprotein (MFAP2) | U19718 | 4 |
| hfcr8814 | | | |
| hfcr8677 | | | |
| hfcr7123 | | | |
| 1258 fcrb2208 | smooth muscle myosin alkali light chain | U02629.1 | 4 |
| hfcr1763 | | | |
| MIOA6251a | | | |
| ncr7096 | | | |
| 1259 FCR3790 | novel growth factor receptor | M64347 | 4 |
| CR0584 | | | |
| FCR1184 | | | |
| SEOA8289 | | | |
| 1260 mioa9821 | inducible 6-phosphofructo-2-kinase/fructose 2,6-bisphosphatase (IPFK-2) = NM_004566.1 | AF056320 | 4 |
| SEOA1361 | | | |
| FCR5026 | | | |
| ncrc2341 | | | |
| 1261 FCR5810 | GTPase activating protein (rap1GAP) | M64788 | 4 |
| FCR2099 | | | |
| SEOA1909 | | | |
| MIOA0152 | | | |
| 1262 ncr4993 | chromodomain helicase DNA binding protein 1 (CHD1)(RefSeq aa 1e-72) | NP_001261.1 | 4 |
| ncrc9020 | | | |
| SEOA8540 | | | |
| SEOA4292a | | | |
| 1263 ncr0421 | topoisomerase IIb mRNA,(= TOP2 mRNA for DNA topoisomerasell) | U54831.1 | 4 |
| hfcr6482 | | | |
| miob6277 | | | |
| ncrc1272 | | | |
| 1264 hfcr3007 | CUG triplet repeat,RNA-binding protein 2 (CUGBP2), (=apoptosis-related RNA binding protein (NAPOR-2)) | NM_006561.1 | 4 |
| ncrc3546 | | | |
| miob3363 | | | |
| ncrc3546 | | | |

Figure 6A - Continued

| | | | |
|---|---|-------------|---|
| 1265 MIOA7139a miob3033 ncr3149 | retinoblastoma 1 (including osteosarcoma) (RB1) | NM_000321.1 | 3 |
| 1266 miob1785 ncr1051 ncrc9700 | lectin, galactoside-binding, soluble, 3 (galectin 3) (LGALS3) | NM_002306.1 | 3 |
| 1267 seob3854 miob0767 ncr1330 | guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 3 (GNAI3) | NM_006496.1 | 3 |
| 1268 SEOA0190A FCR0669 SEOA0190A | protein phosphatase 2A B56-epsilon (PP2A) | L76703 | 3 |
| 1269 hfcr2506 miob3378 seob4326 | COX VIa-L cytochrome c oxidase liver-specific subunit VIa (EC 1.9.3.1) | X15341.1 | 3 |
| 1270 ncr2197 ncrc0863 ncrc9639 | VDUP1 upregulated by 1,25-dihydroxyvitamin D-3, mRNA(=HHCPA78 homolog VDUP1) | NM_006472.1 | 3 |
| 1271 hfcr2874 ncrb0165 mioa7893 | reticulocalbin 1, EF-hand calcium binding domain (RCN1) | NM_002901.1 | 3 |
| 1272 miob6730 ncrc6198 hfcr6047 | NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 5 (16kD, SGD1) (NDUFB5) | NM_002492.1 | 3 |
| 1273 FCR4616 hfcr0060 FCR4616 | translation initiation factor A121/Sui1 (A121/SUI1), putative | AF100737 | 3 |
| 1274 fcrb1803 hfcr2770 seob4489 | proteasome (prosome macropain) 26S subunit, ATPase, 1 (PSMC1) | NM_002802.1 | 3 |
| 1275 miob1381 ncrb3429 seob7265 | integrin, beta 5 (ITGB5) | NM_002213.1 | 3 |
| 1276 ncr2522 ncrb0115 SEOA5285a | plasma membrane calcium ATPase isoform 1 (ATP2B1) gene,= J04027 | L14561 | 3 |
| 1277 ncr3188 ncrc1192 ncrc2289 | mannosidase, alpha, class 1A, member 2 (MAN1A2) | NM_006699.1 | 3 |
| 1278 hfcr0250 hfcr3028 hfcr5735 | delta-like homolog (Drosophila) (DLK1)(= adrenal specific) | NM_003836.1 | 3 |
| 1279 MIOA8857 ncrc5931 miob0360 | FAT tumor suppressor (Drosophila) homolog | NP_005236.1 | 3 |
| 1280 hfcr5275 fcrb1944 hfcr0365 | FUS glycine rich protein | X71428.1 | 3 |

Figure 6A - Continued

| | | | |
|----------------|--|-------------|---|
| 1281 hfc3727 | eukaryotic translation elongation factor 1 delta (guanine nucleotide exchange protein) (EEF1D) | NM_001960.1 | 3 |
| hfc4557 | | | |
| hfc7039 | | | |
| 1282 SEOA0099 | ubiquitin-conjugating enzyme E2 | AB017644.1 | 3 |
| ncr4671 | | | |
| SEOA1487 | | | |
| 1283 ncr2631 | thyroid hormone receptor interactor 12 (TRIP12) (=KIAA0045) | NM_004238.1 | 3 |
| ncr2115 | | | |
| SEOB0009 | | | |
| 1284 miob3552 | IMP (inosine monophosphate)dehydrogenase 2 (IMPDH2) | NM_000884.1 | 3 |
| hfc2639 | | | |
| miob3552 | | | |
| 1285 seob6582 | major histocompatibility complex, class II, DR beta 1 (HLA-DRB1) | NM_002124.1 | 3 |
| hfc9066 | | | |
| ncrc6811 | | | |
| 1286 MIOA3089a | DNA topoisomerase II (TOP2) | Z15115 | 3 |
| FCR5288 | | | |
| SEOA5755a | | | |
| 1287 seob5817 | laminin, beta 1 (LAMB1) | NM_002291.1 | 3 |
| hfc4273 | | | |
| hfc0452 | | | |
| 1288 hfc2670 | hum-a-tub1 alpha-tubulin | AF141348.1 | 3 |
| hfc6844 | | | |
| hfc1298 | | | |
| 1289 miob3247 | nerve growth factor (HBNF-1)(= OSF-1)(= pleiotropin) | M57399.1 | 3 |
| ncrb5203 | | | |
| fcrb1511 | | | |
| 1290 MIOA4005a | ras-related C3 botulinum toxin substrate (rac) | M29870 | 3 |
| BFCW0170 | | | |
| ncrc3179 | | | |
| 1291 FCR1748 | voltage dependent anion channel form 3 (=AF038962) | U90943 | 3 |
| SEOA6124a | | | |
| SEOA0850n | | | |
| 1292 hfc6404 | polymerase (DNA directed) delta 2, regulatory subunit (50kD) (POLD2) | NM_006230.1 | 3 |
| hfc6576 | | | |
| hfc7231 | | | |
| 1293 SEOA7231a | guanylate binding protein isoform II (GBP-2) | M55543 | 3 |
| miob4567 | | | |
| SEOB0962 | | | |
| 1294 miob5629 | HSPC328 | AF161446.1 | 3 |
| hfc3670 | | | |
| ncr4120 | | | |
| 1295 miob1864 | spinocerebellar ataxia 1(olivopontocerebellar ataxia 1, autosomal dominant, ataxin 1) (SCA1), mRNA | NM_000332.1 | 3 |
| ncrc2259 | | | |
| MIOA4427 | | | |
| 1296 MIOA2563a | ATP-binding cassette, sub-family A (ABC1), member 8, putative (=AB020629 KIAA0822) (67% aa) | 6005701 | 3 |
| MIOA1685a | | | |
| ncrc9736 | | | |
| 1297 ncr3346 | galactosidase, alpha (GLA) | NM_000169.1 | 3 |
| ncr5715 | | | |
| FCR6279 | | | |

Figure 6A - Continued

| | | | | |
|------|---|---|-------------|---|
| 1298 | ncr4009 seob5268 ncrb1868 | glucose regulated protein, 58kD (GRP58) | NM_005313.1 | 3 |
| 1299 | ncrb5931 | dihydrodiol dehydrogenase 2 (trans-1,2-dihydrobenzene-1,2-diol dehydrogenase) (RefSeq aa 1e-67) | NP_001345.1 | 3 |
| 1300 | ncrb2388 ncrb6284 MIOA6091 SEOA6117a HFCR3261 | squalene epoxidase | D78129 | 3 |
| 1301 | FCR4568 | CYTOCHROME C OXIDASE POLYPEPTIDE VIIC PRECURSOR | spP15954 | 3 |
| 1302 | seoa0263m SEOA8795 ncrb0017 ncr5131 ncr4858 | cytochrome c oxidase subunit III (RefSeq aa 1e-54) | gi5835394 | 3 |
| 1303 | FCR6264 ncr3710 ncrc4659 | methionine adenosyltransferase alpha subunit | L43509 | 3 |
| 1304 | MIOA0582a ncr3915 SEOA4405a | Krueppel-related DNA-binding protein (PF4) | M61866 | 3 |
| 1305 | SEOA4029a MIOA7187a seob7190 | RING zinc finger protein (RZF) | AF037204 | 3 |
| 1306 | MIOA3668a ncrc4296 seob7429 | RNA helicase | AJ223948 | 3 |
| 1307 | SEOB3139 hfcR6630 ncrb4116 | Glutathione transferase omega (GSTO1) | AF212303.1 | 3 |
| 1308 | SEOA3641a | L-isoaspartyl/D-aspartyl protein carboxyl methyltransferase isozyme I | M93009 | 3 |
| 1309 | SEOA5425 mioa9530 FCR2882 fcrb2198 fcr7552 | collagen type V alpha 1 (COL5A1) | D90279 | 3 |
| 1310 | MIOB2743 | interferon gamma receptor 2 (interferon gamma transducer 1) (IFNGR2) | 5031782 | 3 |
| 1311 | ncrb5547 ncrc3349 SEOB2139 | nuclear receptor subfamily 3, group C, member 1 (NR3C1) | NM_000176.1 | 3 |
| 1312 | miob1087 ncrb4709 FCR2546N SEOA4416a hfcR7794 | insulin-like growth factor binding protein-3 | X64875 | 3 |
| 1313 | seob4108 | potassium channel modulatory factor (=DKFZp434L1021) | AF155652.1 | 3 |
| 1314 | MIOB2821 hfcR3392 SEOA0844 FCR2629 seob8129 | cyclin protein | M15796 | 3 |
| 1315 | seob6437 | nuclear phosphoprotein similar to S. cerevisiae | NM_007062.1 | 3 |

Figure 6A - Continued

| | | | |
|---|--|-------------|---|
| MIOA2402a hfc3048 | | | |
| 1316 seob7369 MIOA1448 ncrc4988 | COP9 complex subunit 4 (LOC51138) | NM_016129.1 | 3 |
| 1317 FCR2034N seob5180 miob6271 | endomembrane protein EMP70 precursor isologue | U95973 | 3 |
| 1318 MIOA1980a ncrb3948 miob6668 | KIAA0695 | AB014595 | 3 |
| 1319 miob6382 mioa9367 hfc36821 | KIAA0769 gene product (KIAA0769) | NM_014824.1 | 3 |
| 1320 SEOA0733a FCR1241N FCR3024N | neuronal protein | X79682 | 3 |
| 1321 miob6372 fcrb0125 ncrb2006 | NRAS-related gene (D1S155E) (=DKFZp586J0620) | NM_007158.1 | 3 |
| 1322 miob3043 fcrb1977 ncr1689 | RAB13, member RAS oncogene family (RAB13) mRNA | NM_002870.1 | 3 |
| 1323 SEOA4487 ncr2856 SEOB1696 | retrotransposon 3' long terminal repeat | Z48633 | 3 |
| 1324 FCR1499 hfc2633 fcrb1225 | sex-regulated protein janus A | S77099 | 3 |
| 1325 seob7402 fcrb0299 fcrb0177 | ATPase, Ca transporting, cardiac muscle, slow twitch 2 (ATP2A2) | NM_001681.1 | 3 |
| 1326 ncr3763 ncr0400 hfc9560 | cysteine protease | D55696.1 | 3 |
| 1327 MIOA8356 FCR2978 FCR2889 | protein-tyrosine-phosphatase G1 | D13380.1 | 3 |
| 1328 SEOB0606 miob6813 ncrb0012 | adipocyte acid phosphatase beta=phenylarsine oxide-sensitive tyrosyl phosphatase | S62885.1 | 3 |
| 1329 ncr1782 ncrc6510 ncrc7099 | ATP SYNTHASE PROTEIN 8 (A6L) | P03928 | 3 |
| 1330 SEOA4395a ncrb7427 seob6438 | hinge=OXPHOS system complex III | S61826 | 3 |
| 1331 MIOA0985 MIOA6826a FCR5949 | mitochondrial aldehyde dehydrogenase (ALDH I) | Y00109 | 3 |
| 1332 SEOB3479 FCR0874 ncr2425 | NADH dehydrogenase (ubiquinone) 1, subcomplex unknown, 1 (6kD, KFYI) (NDUFC1) | NM_002494.1 | 3 |
| 1333 SEOB0089 | NADH dehydrogenase (ubiquinone) Fe-S protein 6 (13kD) (NADH-coenzyme Q reductase) (NDUFS6) | NM_004553.1 | 3 |

Figure 6A - Continued

| | | | | |
|------|------------------------------------|--|-------------|---|
| 1351 | mioa9908 miob0999 ncrb7970 | coatamer protein complex, subunit beta 2 (beta prime) (COPB2) | NM_004766.1 | 3 |
| 1352 | MIOA3393a FCR5707 FCR5704 | helicase II (RAD54L) (=ATRX) | U09820 | 3 |
| 1353 | mioa9792 ncrc9774 ncr4700 | topoisomerase (DNA) II alpha (170kD) (TOP2A) (ORF) | NM_001067.1 | 3 |
| 1354 | SEOA0853 SEOA9029 miob6526 | cytochrome succinate dehydrogenase, small subunit | AB026906.1 | 3 |
| 1355 | hfcR3503 ncrc6484 ncrb3301 | GTT1 | AF270647 | 3 |
| 1356 | MIOA1252 FCR6027 SEOA3749a | major histocompatibility locus class III regions Hsc70t (smRNP, G7A, NG23, MutS homolog, CLCP, NG24, NG25, and NG26) | AF109905 | 3 |
| 1357 | FCR1347 hfcR0839 FCR3106 | prenylated rab acceptor 1 (PRA1) | AF025506 | 3 |
| 1358 | MIOA1882a miob4205 ncrb4819 | CGI-49 protein | AF151807.1 | 3 |
| 1359 | MIOA2038 ncrb7065 mioa9787 | spindle pole body protein spc98 homologue GCP3 | AF042378 | 3 |
| 1360 | hfcR6734 BFCS0347n hfcR8016 | chondroitin sulfate proteoglycan 4 (melanoma-associated) (CSPG4) | NM_001897.1 | 3 |
| 1361 | miob3967 SEOA5942 hfcR3529 | ankyrin G (ANK-3) | U13616.1 | 3 |
| 1362 | SEOB1972 hfcR8428 MIOA4185 | spectrin beta protein (pAZSP 3' end) | X91849.2 | 3 |
| 1363 | hfcR5445 ncrc0696 fcrb2628 | cold inducible RNA-binding protein (CIRBP) | NM_001280.1 | 3 |
| 1364 | FCR7453 hfcR2666 HFCR3201 | lamin A | M13452 | 3 |
| 1365 | miob1800 ncrb6353 ncrc9847 | phosphatidylinositol glycan, class B (PIGB) | NM_004855.1 | 3 |
| 1366 | seob4945 seoa3877n MIOA1565n | interleukin 13 receptor alpha 1 (IL13RA1) | NM_001560.1 | 3 |
| 1367 | seob5012 ncr9982 hfcR2959 | retinoic acid suppression protein A (RSG-A) | AF038964.1 | 3 |
| 1368 | ncr2176 mioa7789a ncrc6059 | CDC28 protein kinase 1 (RefSeq aa 4e-44) | NP_001817.1 | 3 |

Figure 6A - Continued

| | | | |
|----------------|--|-------------|---|
| 1369 miob4378 | latent transforming growth factor beta binding protein 2 (LTBP2) | NM_000428.1 | 3 |
| ncrc0953 | | | |
| hfc2873 | | | |
| 1370 hfc9125 | fibroblast growth factor 7 (keratinocyte growth factor) (FGF7) | NM_002009.1 | 3 |
| hfc7617 | | | |
| mioa2127m | | | |
| 1371 MIOA0332 | PDZ domain containing-protein (PDZK1) | AF012281 | 3 |
| ncrb8577 | | | |
| ncr1352 | | | |
| 1372 ncrb7211 | stanniocalcin 1 (STC1) | NM_003155.1 | 3 |
| ncrb7212 | | | |
| ncrb8524 | | | |
| 1373 seob1039 | fer-1 (C. elegans)-like 3 (FER1L3) (=AF182317 myoferlin (MYOF)) | NM_013451.1 | 3 |
| fcrb2041 | | | |
| ncrb3393 | | | |
| 1374 fcrb0988 | chromobox homolog 1(Drosophila HP1 beta) (CBX1), mRNA | NM_006807.1 | 3 |
| hfc1931 | | | |
| miob0898 | | | |
| 1375 MIOB2247 | telomeric repeat binding factor (TRF1) | U40705.1 | 3 |
| fcrb1990 | | | |
| ncrb1159 | | | |
| 1376 hfc6700 | prefoldin 2 (PFDN2) | NM_012394.1 | 3 |
| ncrb2029 | | | |
| seoa0442n | | | |
| 1377 seoa7871a | 15 kDa selenoprotein (SEP15), mRNA /cds=(4,492) /gb=NM_004261 /gi=4759095 /ug=Hs.90606 /len=1244 | Hs.90606 | 3 |
| mioa0509 | | | |
| seoa4940a | | | |
| 1378 FCR2530 | 4F5rel | AF073298 | 3 |
| FCR6804 | | | |
| FCR6897 | | | |
| 1379 SEOA7115a | androgen induced protein (AIG-1) (=AF151861 CGI-103 protein) | AF153605.1 | 3 |
| SEOA8714 | | | |
| SEOA1076a | | | |
| 1380 MIOA6102a | antigen NY-CO-1 (NY-CO-1) | AF039687.1 | 3 |
| FCR0105 | | | |
| SEOA0445 | | | |
| 1381 SEOA4158a | ceroid-lipofuscinosis, neuronal 2, late infantile (Jansky-Bielschowsky disease)CLN2) mRNA | NM_000391.2 | 3 |
| ncr2337 | | | |
| ncrc4188 | | | |
| 1382 MIOA9033 | CG3450 gene product [Drosophila melanogaster](86% ORF) | AAF57398.1 | 3 |
| miob0680 | | | |
| SEOB1605 | | | |
| 1383 SEOA5785 | ELK1 (ELK1) | AF080616 | 3 |
| ncr4341 | | | |
| fcrb1387 | | | |
| 1384 MIOA4318a | embryonic lung protein (HUEL) | AF006621.1 | 3 |
| ncrb3510 | | | |
| miob1338 | | | |

Figure 6A - Continued

| | | | |
|------------------------|--|-------------|---|
| 1385 MIOA6704a | ENDOPLASMIN PRECURSOR (94 KD GLUCOSE-REGULATED PROTEIN) (GRP94) (GP96 HOMOLOG) (TUMOR REJECTION ANTIGEN 1) | spP14625 | 3 |
| MIOA8468 seoa1357m | | | |
| 1386 miob3004 | gene hY3 encoding a cytoplasmic Ro RNA | V00585.1 | 3 |
| MIOA3445a SEOA6193a | | | |
| 1387 MIOA1976a | GS3955 | D87119 | 3 |
| FCR4758 seoa7714a | | | |
| 1388 seob6486 | HBV pX associated protein-8 (LOC51773) | NM_016578.1 | 3 |
| miob4918 ncr6407 | | | |
| 1389 MIOB2691 | HRIHFB2072 (=AF115778 M.musculus short coiled coil protein SCOCO (Scoc)) | AB015335.1 | 3 |
| ncr8993 MIOA9146 | | | |
| 1390 MIOA2285a | HSPC004 | AF070660 | 3 |
| MIOA4003a SEOA1931 | | | |
| 1391 SEOA3164m | HSPC019 | AF077205.1 | 3 |
| MIOA2023 seob7273 | | | |
| 1392 hfcr6375 | HSPC033 protein (HSPC033) | NM_014041.1 | 3 |
| ncrb6697 ncrc2049 | | | |
| 1393 hfcr3679 | HSPC037 protein (LOC51659) | NM_016095.1 | 3 |
| hfcr9030 ncrc5876 | | | |
| 1394 ncr4535 | HSPC158 protein (RefSeq aa 3e-87) | NP_054899.1 | 3 |
| ncrc6062 ncrb8559 | | | |
| 1395 SEOA2889a | HSPC161 | AF161510 | 3 |
| miob0856 miob4576 | | | |
| 1396 hfcr8475 | HSPC162 protein (HSPC162) | NM_014183.1 | 3 |
| seoa8032 ncrb8222 | | | |
| 1397 SEOB1009 | HSPC218 | AF151052.1 | 3 |
| hfcr0177 ncrc6040 | | | |
| 1398 SEOB2221 | HSPC241 | AF151075.1 | 3 |
| seob7902 seob5973 | | | |
| 1399 ncr0438 | HSPC275 | AF161393 | 3 |
| ncrb0069 ncrc5887 | | | |
| 1400 ncr3197 | HSPC337 | AF161455.1 | 3 |
| hfcr8940 seob5469 | | | |
| 1401 ncr6344 | HTGN29 protein (HTGN29) | NM_020199.1 | 3 |
| ncrc3390 ncr4628 | | | |
| 1402 MIOA4678 | hyperion gene | AJ010770 | 3 |
| ncrc5614 SEOB1637 | | | |
| 1403 ncr0423 | hypothetical protein (RefSeq aa 5e-73) | NP_057016.1 | 3 |
| ncrc1944 | | | |

Figure 6A - Continued

| | | | |
|----------------|---|-------------|---|
| ncrc9193 | | | |
| 1404 ncr0276 | iduronate sulphate sulphatase (IDS) gene | L35485.1 | 3 |
| FCR3618 | | | |
| MIOA0320 | | | |
| 1405 SEOA7542a | KIAA0040 | D25539 | 3 |
| ncr0889 | | | |
| ncrb1871 | | | |
| 1406 FCR5490 | KIAA0065 (ZNF33A Kruppel-related) | D31763 | 3 |
| MIOA1671a | | | |
| miob4374 | | | |
| 1407 FCR0593 | KIAA0076 | D38548 | 3 |
| fcrb0926 | | | |
| fcrb1898 | | | |
| 1408 FCR3034 | KIAA0081 | D42039 | 3 |
| MIOA4750 | | | |
| ncr4870 | | | |
| 1409 FCR6616 | KIAA0090 | D42044 | 3 |
| SEOA9840 | | | |
| miob3140 | | | |
| 1410 ncr3793 | KIAA0099 protein, partial cds | D43951.1 | 3 |
| hfc2900 | | | |
| SEOA8841 | | | |
| 1411 SEOB0857a | KIAA0104 | D14660.1 | 3 |
| seob7035 | | | |
| hfc7412 | | | |
| 1412 FCR6188 | KIAA0121 | D50911 | 3 |
| hfc2512 | | | |
| fcrb2500 | | | |
| 1413 FCR1328 | KIAA0128 | D50918 | 3 |
| FCR1045 | | | |
| FCR5975 | | | |
| 1414 SEOA1617a | KIAA0146 | D63480 | 3 |
| FCR6437 | | | |
| FCR1717 | | | |
| 1415 SEOB3105 | KIAA0152 (cytotoxic T-cell membrane glycoprotein Ly-3 isolog) | NM_014730.1 | 3 |
| ncrb0826 | | | |
| FCR5866 | | | |
| 1416 SEOA7383a | KIAA0170 | D79992 | 3 |
| miob5463 | | | |
| fcrb0023 | | | |
| 1417 ncrb0027 | KIAA0182 gene | D80004.1 | 3 |
| ncrc3569 | | | |
| ncrc6896 | | | |
| 1418 MIOA0891a | KIAA0188 | D80010 | 3 |
| fcrb0881 | | | |
| ncrb5284 | | | |
| 1419 MIOA8367 | KIAA0205 | D86960 | 3 |
| seoa7825a | | | |
| MIOA4803a | | | |
| 1420 SEOA4056 | KIAA0238 | D87075 | 3 |
| MIOA8900 | | | |
| miob3561 | | | |
| 1421 MIOA5231a | KIAA0255 gene | D87444 | 3 |
| CR0454 | | | |
| FCR2957 | | | |
| MIOA0217a | | | |
| 1422 SEOA5503a | KIAA0261 | D87450 | 3 |
| ncr4142 | | | |

Figure 6A - Continued

| | | | |
|----------------|---|-------------|---|
| seob4907 | | | |
| 1423 MIOA3486a | KIAA0262 | D87451 | 3 |
| FCR5887 | | | |
| FCR1912 | | | |
| 1424 seob6264 | KIAA0310 protein | AB002308.2 | 3 |
| hfc2621 | | | |
| seob7171 | | | |
| 1425 SEOA6648a | KIAA0379 | AB002377 | 3 |
| MIOA3500a | | | |
| ncrc2195 | | | |
| 1426 seob4029 | KIAA0419 gene product (KIAA0419) | NM_014711.1 | 3 |
| ncrb5616 | | | |
| FCR4766 | | | |
| 1427 seob7345 | KIAA0443 gene product | NM_014710.1 | 3 |
| ncrc7081 | | | |
| SEOA1723a | | | |
| 1428 SEOB1842 | KIAA0458 | AB007927.1 | 3 |
| hfc9061 | | | |
| ncrb8398 | | | |
| 1429 SEOA3670a | KIAA0461 | AB007930 | 3 |
| hfc1939 | | | |
| seob4759 | | | |
| 1430 miob5708 | KIAA0484 | AB007953.1 | 3 |
| fcr0004 | | | |
| ncr0364 | | | |
| 1431 SEOA6574a | KIAA0537 | AB011109 | 3 |
| ncrc0419 | | | |
| ncrc1606 | | | |
| 1432 ncrb3626 | KIAA0642 | AB014542 | 3 |
| ncrb1067 | | | |
| ncrc2507 | | | |
| 1433 SEOA1213A | KIAA0666 | AB014566 | 3 |
| ncrc0105 | | | |
| ncrc7113 | | | |
| 1434 SEOB2271 | KIAA0692 | AB014592.1 | 3 |
| hfc5222 | | | |
| FCR5911 | | | |
| 1435 SEOA9948 | KIAA0696 protein | AB014596 | 3 |
| hfc3365 | | | |
| SEOA9948 | | | |
| 1436 MIOA2204a | KIAA0716 | AB018259.1 | 3 |
| MIOB2750 | | | |
| SEOA5654a | | | |
| 1437 MIOA3467a | KIAA0783 | AB018326.1 | 3 |
| seob4898 | | | |
| seob6772 | | | |
| 1438 hfc6792 | KIAA0851 gene | AJ297357.1 | 3 |
| ncrb6169 | | | |
| miob1155 | | | |
| 1439 ncr3237 | KIAA0929 protein Msx2 interacting nuclear target (MINT) homolog | NM_015001.1 | 3 |
| ncrc3383 | | | |
| ncr9114 | | | |
| 1440 SEOA0549A | KIAA0936 | AB023153.1 | 3 |
| SEOB3581 | | | |
| ncr2725 | | | |
| 1441 SEOA2654 | KIAA0958 | AB023175.1 | 3 |
| HFCR3262 | | | |
| seob4704 | | | |

Figure 6A - Continued

| | | | | |
|------|--------------------------------------|--|-------------|---|
| 1442 | SEOA0145 ncr1818 SEOB1533 | KIAA0965 | AB023182.1 | 3 |
| 1443 | MIOB2804 fcrb0285 ncr4455 | KIAA1162 | AB032988.1 | 3 |
| 1444 | miob0304 hfcf5538 hfcf3759 | KIAA1212 protein | AB033038.1 | 3 |
| 1445 | miob3986 ncrc9463 ncr0441 | KIAA1288 | AB033114.1 | 3 |
| 1446 | SEOA8472 ncrb1200 ncrb4554 | KIAA1311 | AB037732.1 | 3 |
| 1447 | SEOB2938 ncr8695 ncrc0408 | KIAA1439 | AB037860.1 | 3 |
| 1448 | ncrb2511 ncrb4678 ncrc1502 | KIAA1581 | AB046801 | 3 |
| 1449 | ncrb8066 ncrc1899 ncrb7895 | L1 repetitive element ORF (aa 1e-23,75%) | B28096 | 3 |
| 1450 | ncr9956 ncrb8719 ncrc1722 | MDS016 (MDS016) | AF182417.1 | 3 |
| 1451 | miob6373 ncr3752 ncrc4741 | MO25 protein (LOC51719) (=cDNA FLJ20797 fis) | NM_016289.1 | 3 |
| 1452 | SEOA0288 MIOA3232a ncr1867 | myeloid cell nuclear differentiation antigen | M81750 | 3 |
| 1453 | MIOA1077 SEOA3132a SEOA6434 | NDPP-1 protein | D10727.1 | 3 |
| 1454 | SEOA0054 BFCW0275 SEOA6722 | Nm23 protein, involved in developmental regulation (Drosophila Awd protein homologue) | X17620 | 3 |
| 1455 | hfcf4349 ncrb8112 HFCR3255 | nuclear distribution gene C (A.nidulans) homolog (NUDC) | NM_006600.1 | 3 |
| 1456 | MIOA5692 ncrc6330 ncrc2663 | P13-kinase associated p85 | M61906 | 3 |
| 1457 | FCR1147 FCR3338 hfcf4680 | PEG3 (=AB006625 hypothetical protein (KIAA0287)) | U90336 | 3 |
| 1458 | SEOA6049a FCR7648 MIOA8970 | peroxisomal acyl-CoA: dihydroxyacetonephosphate acyltransferase (DHAPAT) | AF043937 | 3 |
| 1459 | SEOB1153 SEOA8234 SEOA8935 | PRO0657 | AAF24054.1 | 3 |
| 1460 | ncr2847 ncrc5595 | PRO2550 | AF130089 | 3 |

Figure 6A - Continued

| | | | |
|----------------|---|-------------|---|
| ncrc6347 | | | |
| 1461 SEOA2443a | PTD015 | AF092136.1 | 3 |
| seob6686 | | | |
| ncrc9519 | | | |
| 1462 hfcr3446 | PTP1C/HCP gene | X82818.1 | 3 |
| fcrb1520 | | | |
| fcrb0035 | | | |
| 1463 SEOA9712 | Rab geranylgeranyltransferase, beta subunit (RABGGTB)(ORF) = Y08201.1 | NM_004582.1 | 3 |
| ncrc9495 | | | |
| ncrc2555 | | | |
| 1464 hfcr9529 | retinal pigment epithelium | L07393.1 | 3 |
| ncr5408 | | | |
| ncrc3993 | | | |
| 1465 ncr7792 | retinol-binding protein 4, interstitial (RBP4) | NM_006744.2 | 3 |
| ncrb0587 | | | |
| ncrc0117 | | | |
| 1466 SEOA4611a | ribulose-5-phosphate-epimerase, (ORF) | AJ224326 | 3 |
| ncrb3307 | | | |
| ncr3780 | | | |
| 1467 miob3725 | serologically defined colon cancer antigen 1 (SDCCAG1) | NM_004713.1 | 3 |
| ncr2793 | | | |
| seoa6983 | | | |
| 1468 SEOB0168 | Sid3177 | AB024935.1 | 3 |
| seob5690 | | | |
| miob3021 | | | |
| 1469 hfcr1891 | snuportin-1 (KPNBL) | NM_005701.1 | 3 |
| SEOA4743a | | | |
| FCR2810 | | | |
| 1470 seoa7755a | SON DNA binding protein isoform E (SON) mRNA, complete cds, alternatively spliced /cds=(29,6355) /gb=AF380183 /gi=17046380 /ug=Hs.92909 /len=8438 | Hs.92909 | 3 |
| mioa7825a | | | |
| seoa6989 | | | |
| 1471 MIOA8773 | split hand/foot deleted gene 1 | NP_033195.1 | 3 |
| SEOA4155a | | | |
| SEOA8598 | | | |
| 1472 miob0931 | ST15 | D50406.1 | 3 |
| miob1758 | | | |
| ncrb4291 | | | |
| 1473 miob6839 | SUMO-1 activating enzyme subunit 2 (UBA2) | NM_005499.1 | 3 |
| miob6701 | | | |
| SEOA7278a | | | |
| 1474 miob3811 | suppressor of G2 allele | NM_006704.1 | 3 |
| seob5811 | | | |
| fcrb0916 | | | |
| 1475 MIOA1610a | TEB4 protein (=AB011169 KIAA0597) | AF009301 | 3 |
| SEOB0751 | | | |
| MIOA4869a | | | |
| 1476 FCR5075 | thiosulfate sulfurtransferase (rhodanese) (TST) | X59434 | 3 |
| hfcr9337 | | | |
| ncrc5923 | | | |
| 1477 FCR2601 | TL27 (from PC3 cell line) | X75684 | 3 |
| ncr9715 | | | |
| hfcr4204 | | | |
| 1478 miob6632 | translocated promoter region (to activated MET oncogene) (TPR) | NM_003292.1 | 3 |

Figure 6A - Continued

| | | | |
|--|--|-------------|---|
| MIOA9173 miob2990 | | | |
| 1479 ncr1042 SEOA2802 SEOB0782a | WS-3 | D84145.1 | 3 |
| 1480 fcrb0378 ncrc1693 hfcr5774 | WW domain binding protein-1 (ORF) | U79457.17 | 3 |
| 1481 SEOA7379a miob3836 miob4847 | XIST | X56196 | 3 |
| 1482 ncr0663 ncrc5708 SEOB2780 | annexin A11 (ANXA11 gene) | AJ278465.1 | 3 |
| 1483 MIOA4810a | ATPase, Na /K transporting, beta 3 polypeptide (ATP1B3= sodium/potassium-transporting ATPase beta- 3 subunit = U51478(ORF) | NM_001679.1 | 3 |
| ncr3203 miob1965 | | | |
| 1484 seob4925 hfcr7773 ncrc0611 | channel-like integral membrane protein (AQP-1) | U41518.1 | 3 |
| 1485 MIOA0461 ncr0578 fcrb0300 | citrin (SLC25A13) | AF118838.1 | 3 |
| 1486 SEOA2448a SEOA3617a SEOA5226a | X-linked phosphoglycerate kinase | M11968 | 3 |
| 1487 miob3618 miob2393 mioa9533 | aldehyde dehydrogenase 6 (ALDH6) | NM_000693.1 | 3 |
| 1488 FCR3167 hfcr2714 SEOA9363 | aldehyde reductase | J04794 | 3 |
| 1489 MIOA3888a MIOB2627 ncr3181 | dTDP-D-glucose 4, 6-dehydratase | AJ006068 | 3 |
| 1490 seob7662 SEOA4489 ncrb1491 | platelet-type phosphofructokinase | D25328.1 | 3 |
| 1491 SEOA3322a SEOA3324a miob4108 | MKP-1 like protein tyrosine phosphatase | AF038844 | 3 |
| 1492 SEOA2910a MIOA3756a SEOA6196a | Gem GTPase (gem) | U10550 | 3 |
| 1493 MIOA4241 | hypoxanthine phosphoribosyltransferase (HPRT) gene, complete cds. | M26434 | 3 |
| hfcr5129 miob2499 | | | |
| 1494 SEOB3170 MIOA5162a SEOA0191A | plasma cell membrane glycoprotein (PC-1) | M57736.1 | 3 |
| 1495 SEOA1900n SEOA2024a SEOA7145a | pyrophosphatase | Z48605 | 3 |
| 1496 SEOB0949 | acetyl-Coenzyme A acetyltransferase 2 (acetoacetyl Coenzyme A thiolase) | gi5174388 | 3 |
| SEOB3564 | | | |

Figure 6A - Continued

| | | | |
|--|---|-------------|---|
| ncrb4951 1497 SEOA3408a MIOB2701 SEOA3474a 1498 fcrb0131 | acyl-CoA synthetase 4 (ACS4) | AF030555 | 3 |
| fcrb1715 ncrc4896 1499 miob5016 hfcr6712 ncrc3709 1500 SEOA5554a fcrb0425 seoa6975 1501 ncr2145 | acyl-Coenzyme A dehydrogenase, very long chain (ACADVL), nuclear gene encoding mitochondrial protein, mRNA | NM_000018.1 | 3 |
| ncrb3813 ncrc0472 1502 SEOB0386 MIOA8031a seob5635 1503 HFCR2384 | L3 pigment (L3) | AF189062.3 | 3 |
| ncr7576 MIOA2704a 1504 SEOA9709 | leukotriene A-4 hydrolase | J02959 | 3 |
| mioa1216m hfcr6843 1505 MIOA6969a ncr4531 seob4045 1506 seob5053 miob0724 seob7356 1507 MIOA1473 ncr6113 ncr8622 1508 seob4645 | cytochrome b5 reductase 1 (B5R.1) (RefSeq aa 1e-31) | NP_057327.1 | 3 |
| MIOA3702a ncrc0793 1509 hfcr5207 ncrb3985 ncrb2274 1510 hfcr4444 ncrb0397 ncrc1227 1511 SEOA0464 FCR2049 seob4630 1512 seob4621 FCR4742 hfcr2810 1513 MIOA8536 | NADH-ubiquinone oxidoreductase MNLL subunit | AF050638.1 | 3 |
| | ubiquinol-cytochrome c reductase, Rieske iron-sulfur polypeptide 1 (UQCRCF1) | 5174742 | 3 |
| | methylenetetrahydrofolate dehydrogenase (NAD dependent), methenyltetrahydrofolate cyclohydrolase (MTHFD2) = X16396.1 | NM_006636.1 | 3 |
| | aspartyl glucosaminidase (AGA) | X55330 | 3 |
| | leucine-rich repeat (LRR) protein (P37NB) 37 kDa | NM_005824.1 | 3 |
| | methionine synthase reductase (MTRR) | AF025794 | 3 |
| | osteoblast specific cysteine-rich protein, complete cds | AB008375 | 3 |
| | pyrroline-5-carboxylate reductase 1 (PYCR1) | NM_006907.1 | 3 |
| | S-adenosylmethionine decarboxylase 1 (AMD1) | NM_001634.3 | 3 |
| | selenophosphate synthetase 2 (SPS2) | U43286 | 3 |
| | tryptophan rich basic protein (WRB) (ORF) | NM_004627.1 | 3 |
| | glutamic-oxaloacetic transaminase 2, mitochondrial (aspartate aminotransferase 2) (GOT2), nuclear gene encoding mitochondrial protein | NM_002080.1 | 3 |

Figure 6A - Continued

| | | | |
|--|---|-------------|---|
| SEOA5164a hfc1309 1514 ncr7876 | eukaryotic translation initiation factor 4E (RefSeq aa 4e-86) | NP_001959.1 | 3 |
| ncrc5739 ncrc6815 1515 FCR7550 | GC20 protein (=AF077052 protein translation factor sui1 homologue) | AF064607 | 3 |
| SEOA6753 SEOA1346 1516 seob3731 ncr9561 SEOA0790 1517 FCR0111 FCR2289 MIOA9046 1518 HFCR3144 | p80 protein (=M23613.1 nucleophosmin) | D45915.1 | 3 |
| hfc7381 FCR4031N 1519 SEOA8759 | translation initiation factor 3 47 kDa subunit | U94855 | 3 |
| SEOB1743 SEOA5234a 1520 hfc3500 | ribosome binding protein 1 (dog 180kD homolog) (RRBP1) | gi4759055 | 3 |
| mioa1721a hfc9097 1521 MIOA1380a SEOB3294 seob5286 1522 ncr0496 seob5607 ncrc0654 1523 SEOA8374a FCR2753 hfc9508 1524 seob6368 fcrb1421 fcrb0071 1525 seob4928 ncrc6644 ncrb8230 1526 hfc0413 | stress-associated endoplasmic reticulum protein 1; ribosome associated membrane protein 4 (SERP1) | NM_014445.1 | 3 |
| SEOA6661a ncr7672 1527 hfc7769 SEOA4537 hfc9509 1528 miob1059 hfc6981 fcrb2427 1529 miob6688 ncr1298 MIOA5147a 1530 seob2560 | aminopeptidase puromycin sensitive (NPEPPS)= AJ132583.1 puromycin sensitive aminopeptidase (ORF) | NM_006310.1 | 3 |
| | beta-migrating plasminogen activator inhibitor I | M14083 | 3 |
| | calpain, large polypeptide L2 (CAPN2) mRNA | NM_001748.1 | 3 |
| | collagenase inhibitor | M59906 | 3 |
| | cysteine-rich heart protein (hCRHP) | U09770.1 | 3 |
| | cysteine-rich repeat-containing protein S52 precursor | AF167706.1 | 3 |
| | matrix metalloprotease(ADAMTS1) mRNA, complete cds | AF207664.1 | 3 |
| | nardilysin (N-arginine dibasic convertase) (NRD1) | NM_002525.1 | 3 |
| | procollagen, type XI, alpha 1 (Col11a1) | NM_007729.1 | 3 |
| | protease inhibitor 12 (neuroserpin) (PI12) | NM_005025.1 | 3 |
| | proteasome (prosome, macropain) subunit, alpha type, 5 (PSMA5) | NM_002790.1 | 3 |

Figure 6A - Continued

| | | | |
|--|---|-------------|---|
| SEOB0928 SEOB1497 1531 seob6572 | proteasome (prosome, macropain) subunit, alpha type, 7 (PSMA7) mRNA, and translated products | NM_002792.1 | 3 |
| ncr2670 ncr4193 1532 SEOA8300 | PROTEASOME COMPONENT C9 (MACROPAIN SUBUNIT C9) (MULTICATALYTIC ENDOPEPTIDASE COMPLEX SUBUNIT C9) | spP25789 | 3 |
| SEOA8747 SEOB1774 1533 MIOA3857 seob2611 SEOA4121a | proteasome subunit X (=X95586 MB1) | D29011 | 3 |
| 1534 seob4992 miob4145 ncrc6722 | proteinx0008 (AD013) | NM_013395.1 | 3 |
| 1535 ncr2892 hfc7665 ncrb0547 | sorting nexin 1 (SNX1) | NM_003099.1 | 3 |
| 1536 seob5792 ncr1704 ncrb6324 | chaperonin containing TCP1, subunit 2 (beta) (CCT2) | NM_006431.1 | 3 |
| 1537 seob6189 | farnesyl diphosphate synthase (farnesyl pyrophosphate synthetase, dimethylallyltransferase, geranyltransferase) | NM_002004.1 | 3 |
| hfc9650 hfc9252 1538 ncrb1833 SEOA7448a ncrc1703 | huntingtin interacting protein 2 (HIP2) | NM_005339.1 | 3 |
| 1539 hfc0676 | karyopherin alpha 2 (RAG cohort 1, importin alpha 1) (KPNA2) | NM_002266.1 | 3 |
| hfc7834 FCR3069 1540 miob5829 | nuclear localization signal deleted in velocardiofacial syndrome (NLVCF) | NM_003776.1 | 3 |
| miob0406 ncrb4889 1541 MIOA3395a ncrb5912 ncrc0508 | signal recognition particle (SRP), 19kD protein | X12791 | 3 |
| 1542 ncrb3980 fcrb1835 ncrb8586 | TRAM-like protein (KIAA0057), mRNA | NM_012288.1 | 3 |
| 1543 MIOB2116 | ubiquitin-activating enzyme E1C (homologous to yeast UBA3) (UBE1C) | gi4507764 | 3 |
| seob3673 ncrb6221 1544 SEOA3263 seob6103 SEOA6860 | AE-binding protein 1, AEBP1 | D86479 | 3 |
| 1545 SEOB1423 ncrb2475 SEOA4873a | alternative splicing factor | M72709.1 | 3 |
| 1546 hfc5260 fcrb2201 FCR4877 | amplified in osteosarcoma (OS-9) | NM_006812.1 | 3 |

Figure 6A - Continued

| | | | |
|--|---|-------------|---|
| 1547 ncr8588 hfc4049 ncrb1987 | bromodomain-containing 2 (BRD2)= KIAA9001 | NM_005104.1 | 3 |
| 1548 seob6291 miob2487 ncrb2980 | CCAAT-box-binding transcription factor (CBF2) | NM_005760.1 | 3 |
| 1549 SEOB2775 miob1393 ncrb6469 | c-Cbl-interacting protein (CIN85) | AF230904.1 | 3 |
| 1550 ncr0176 SEOA0015 SEOA1108a | c-myc transcription factor (puf) = M36981(ORF) | L16785.1 | 3 |
| 1551 miob2974 SEOA2507 seoa6998 | FUSE binding protein 3 (FBP3) | U69127.1 | 3 |
| 1552 mioa9334 ncr1381 SEOA1102a | GA-binding protein transcription factor, beta subunit 1 (53kD) (GABPB1) | NM_016654.1 | 3 |
| 1553 SEOA2381a SEOB0974 SEOA4099a | helix-loop-helix basic phosphoprotein (G0S8) | L13391 | 3 |
| 1554 SEOA0884 BFCS0481 ncrc9468 | myocyte-specific enhancer factor 2A (MEF2A) | U49020 | 3 |
| 1555 SEOB1758 ncr4836 ncr2893 | retinoblastoma-associated protein RAP140 (=KIAA1105) | AAD55098.1 | 3 |
| 1556 SEOA4332a hfc4612 ncrc3500 | retinoblastoma-binding protein 4 (RBBP4) =X74262 RbAp48 | NM_005610.1 | 3 |
| 1557 miob3953 ncr2798 ncrc4472 | ring finger protein 11 (RNF11) | NM_014372.1 | 3 |
| 1558 seob4819 seob4917 SEOB3597 | ring finger protein 14 (RNF14) (=HFB30) | NM_004290.1 | 3 |
| 1559 SEOA3101a ncrc6589 FCR2913N | T-box transCRiption factor (Tbx15) | AF041822 | 3 |
| 1560 ncrb6699 SEOA0925 seob6054 | thyroid hormone receptor interactor 11 (TRIP11) (=Golgi-associated microtubule-binding protein) | NM_004239.1 | 3 |
| 1561 SEOB0991 hfc9164 MIOA5915a | thyroid receptor interactor (TRIP3) | L40410.1 | 3 |
| 1562 MIOA3688a SEOA3843 seob4127 | transCRiptional activation factor TAFII32 (=AF151895 CGI-137 protein) | U21858 | 3 |
| 1563 ncr4113 hfc9303 fcrb1767 | transducin (beta) like 2 (TBL2) | NM_012453.1 | 3 |
| 1564 SEOA8716 hfc0960 | Y-linked zinc finger protein (ZFY) gene (=DKFZp434F2311) | AF114156.1 | 3 |

Figure 6A - Continued

| | | | |
|--|---|-------------|---|
| ncrc3630 1565 SEOB0922 HFCR3226 fcrb2206 | ZINC FINGER PROTEIN 135 | spP52742 | 3 |
| 1566 seob5558 miob4645 ncrc9716 | ZNF01 and HUMORFKG1B genes, partial sequence | AF205588.1 | 3 |
| 1567 SEOA8424 miob5472 MIOA5639a | nCL1 gene | X85032.1 | 3 |
| 1568 seob4793 | endoplasmic reticulum luminal Ca ²⁺ binding protein grp78 | AF216292.1 | 3 |
| hfc3784 miob0158 1569 MIOA2173a FCR2490 FCR6292 | hnRNP-E2 (poly(rC)-binding protein 2 (PCBP2)) | X78136 | 3 |
| 1570 mioa9328 | leukophysin (LKP) = NM_001357.1 DEAD/H box polypeptide 9 (DDX9) | U03643.1 | 3 |
| SEOA2428a ncr1714 1571 MIOA8346 FCR2203 ncrc2424 | polyadenylate binding protein(TIA-1) | M77142 | 3 |
| 1572 SEOA1100a ncrb3573 ncrb6248 | PR264 | X75755 | 3 |
| 1573 seob3892 SEOB3224 fcrb1040 | seryl-tRNA synthetase (SARS) | NM_006513.1 | 3 |
| 1574 seob5762 | small nuclear ribonucleoprotein D1 polypeptide (16kD) (SNRPD1) | NM_006938.1 | 3 |
| MIOA7265a MIOA6942a 1575 hfc6993 | small nuclear ribonucleoprotein polypeptide F (SNRPF) | NM_003095.1 | 3 |
| hfc9272 ncrc5568 1576 SEOB3415 ncr9313 ncrc3338 | splicing factor 3b, subunit 1, 155kD (SF3B1) | NM_012433.1 | 3 |
| 1577 hfc2850 hfc3920 hfc7012 | splicing factor, arginine/serine-rich 9 (SFRS9) | NM_003769.1 | 3 |
| 1578 hfc9014 FCR7559 fcrb2241 | breast cancer-associated gene 1 protein (BCG1) | AF126181.1 | 3 |
| 1579 FCR4128 FCR5831 FCR5366 | cartilage-associated protein (CASP) | AJ006470 | 3 |
| 1580 ncr7973 ncrb8380 ncrc3145 | DC2 (DC2) | AF201937.1 | 3 |
| 1581 SEOA0848 ncrb2087 ncrb2188 | T-cell gamma receptor locus | AF159056.1 | 3 |
| 1582 seob6492 hfc6798 seoa1568m | 28 kDa heat shock protein | Z23090.1 | 3 |

Figure 6A - Continued

| | | | |
|---|---|-------------|---|
| 1583 miob1134 seoa7833a miob1442 | ALEX1 protein (LOC51309) | NM_016608.1 | 3 |
| 1584 SEOA4174a ncrc0461 SEOA2429a | LIM and senescent cell antigen-like domains 1 (LIMS1) =U09284, PINCH protein | NM_004987.1 | 3 |
| 1585 hfc1127 FCR2442 ncrc1129 | coatomer protein complex, subunit alpha (COPA), mRNA | NM_004371.2 | 3 |
| 1586 hfc0691 hfc1675 hfc4341 | endoglin (Osler-Rendu-Weber syndrome 1) (ENG) | NM_000118.1 | 3 |
| 1587 MIOB2668 hfc6918 ncr9191 | tetraspanin TM4-A | AF133423.1 | 3 |
| 1588 MIOA1735 MIOA2161a MIOA4922a | ERCC5 excision repair protein | L20046 | 3 |
| 1589 miob5840 seob5447 SEOA3472a | MHC class II lymphocyte antigen beta-chain (HLA-DPB1) | M28202.1 | 3 |
| 1590 miob5437 ncrc9237 mioa7880 | thioredoxin-like (TXNL2) | gi5730103 | 3 |
| 1591 SEOB0685a SEOB1495 ncr5226 | Apg12 | BAA36493.1 | 3 |
| 1592 hfc7341 SEOA8883 ncr2874 | calponin 3, acidic (CNN3) | NM_001839.1 | 3 |
| 1593 ncr3673 ncr9659 miob3116 | capping protein (actin filament) muscle Z-line, alpha 1 (CAPZA1), (=capping protein alpha subunit isoform 1) | NM_006135.1 | 3 |
| 1594 hfc4007 fcrb1450 hfc9907 | CGI-101 protein (LOC51009) | NM_016041.1 | 3 |
| 1595 MIOA8739 SEOA3006a seob4780 | CGI-114 protein (=DKFZp566E144) | AF151872.1 | 3 |
| 1596 SEOA2823 MIOA3493a SEOA6291 | CGI-123 protein | AF151881.1 | 3 |
| 1597 SEOB1273 miob3173 hfc6067 | CGI-129 protein | AF151887.1 | 3 |
| 1598 SEOA3544a ncrc5775 SEOA3588a | CGI-142 protein | AF151900.1 | 3 |
| 1599 ncr3233 ncr1607 SEOA5310a | CGI-151 protein (RefSeq aa 6e-51) | NP_057165.1 | 3 |
| 1600 SEOA5685a MIOA1130 SEOB1070 | CGI-24 protein | AF132958.1 | 3 |
| 1601 SEOA7546a | CGI-29 protein | AF132963.1 | 3 |

Figure 6A - Continued

| | | | |
|--|---|-------------|---|
| seob6031 ncrb1874 1602 seob4735 miob0668 ncr7132 | CGI-86 protein (LOC51635) | NM_016029.1 | 3 |
| 1603 MIOA6833a MIOA8088 ncr5291 | cytoplasmic dynein intermediate chain 1 | AF123074 | 3 |
| 1604 miob4957 | FRA3B common fragile region, diadenosine triphosphate hydrolase (FHIT) | AF020503.1 | 3 |
| ncrb5183 MIOA5605a 1605 SEOB1793 fcrb1435 mioa9263 | LIC-2 dynein light intermediate chain 53/55 | U15138.1 | 3 |
| 1606 HFCR3209 fcrb2677 ncr7697 | sorcin (SRI) | L12387.1 | 3 |
| 1607 MIOA6556a FCR3833 MIOB1583 | collagen type IV alpha 1 (COL4A1) | M26576 | 3 |
| 1608 ncr9502 | fibrinogen-like 2 precursor; fibroleukin (RefSeq aa 2e-74) | NP_006673.1 | 3 |
| ncrb5084 ncrc3020 1609 hfcr2963 hfcr7574 hfcr7971 | glypican 1 (GPC1) | NM_002081.1 | 3 |
| 1610 SEOA8945 ncr6704 ncr8468 | glypican 4 (GPC4) | NM_001448.1 | 3 |
| 1611 hfcr6129 ncrc3934 ncrc1661 | laminin, beta 2 (laminin S)(LAMB2) mRNA | NM_002292.1 | 3 |
| 1612 MIOA7482a ncr2391 ncrb2422 | sarcospan (Sspn) | AF120276.1 | 3 |
| 1613 miob6625 ncrb5035 MIOA7037a | AHNAK nucleoprotein | M80902.1 | 3 |
| 1614 FCR0793N ncr7869 FCR0431 | capping protein (actin filament), gelsolin-like (CAPG) | M94345 | 3 |
| 1615 seob7578 SEOA8825 hfcr0576 | crystallin, zeta (quinone reductase) (CRYZ) | NM_001889.1 | 3 |
| 1616 MIOA7218a ncr0591 MIOA5718 | dystrophin (DMD) | M18533 | 3 |
| 1617 hfcr0476 | keratin 10 (epidermolytic hyperkeratosis; keratosis palmaris et plantaris) (KRT10)mRNA =(acidic keratin-10)=(keratin 10 type I intermediate filament) | NM_000421.1 | 3 |
| mioa0567a hfcr0475 1618 MIOA7361a | protein 4.1-G, erythrocyte membrane protein (clone 24719) | AF054999 | 3 |
| SEOA3664a FCR2669 1619 SEOB2966 | myosin phosphatase target subunit 1 (MYPT1) | D87930.1 | 3 |

Figure 6A - Continued

| | | | |
|---|---|-------------|---|
| ncrc2128 seob5844 1620 hfer1304 fcrb2687 hfer8261 | non-muscle alpha-actinin | U48734.1 | 3 |
| 1621 MIOA6721a ncrc6732 hfer4162 | nonmuscle myosin heavy chain (NMHC) | M31013 | 3 |
| 1622 SEOA2786 MIOA8718 ncrb6071 | tropomodulin (TMOD) | M77016 | 3 |
| 1623 SEOA6238 MIOA3390a SEOA9771 | nuclear pore complex protein hnup153 | Z25535 | 3 |
| 1624 SEOA6510a ncrc6457 miob6595 | TIP120 (=AB020636 KIAA0829) | D87671 | 3 |
| 1625 hfer0543 hfer3760 fcrb0040 | angiotensin receptor-like 2 (AGTRL2), mRNA | NM_005162.2 | 3 |
| 1626 SEOB0745 FCR0882 SEOB1812 | B4-2 protein | U03105.1 | 3 |
| 1627 seoa4922a | diazepam binding inhibitor (GABA receptor modulator, acyl-Coenzyme A binding protein) (DBI), mRNA /cds=(0,314) /gb=NM_020548 /gi=10140852 /ug=Hs.78888 /len=537 | Hs.78888 | 3 |
| ncrc0984 ncrc6756 1628 seob7209 FCR1486 ncrc6497 | glucocorticoid receptor (GRL) gene | U80947.1 | 3 |
| 1629 hfer9362 ncrc6257 ncrc0778 | glutamate dehydrogenase 1 (GLUD1) | NM_005271.1 | 3 |
| 1630 hfer2803 hfer2938 FCR0706 | HindIII K4L ORF (HU-K4) | NM_012268.1 | 3 |
| 1631 FCR4604 ncrc4012 FCR7029 | inositol 1,4,5-triphosphate receptor, type 3 (ITPR3) | U01062 | 3 |
| 1632 MIOA5131a ncr5183 ncr1653 | insulin receptor substrate-2 (IRS2) | AF073310 | 3 |
| 1633 ncrb8064 fcrb2031 fcrb2075 | interleukin 11 receptor, alpha (IL11RA) | NM_004512.1 | 3 |
| 1634 fcrb0972 ncr7638 ncrc3008 | leptin receptor gene-related protein (HSOBRGRP) | NM_017526.1 | 3 |
| 1635 SEOB0815 ncr1172 SEOB3004 | multiple membrane spanning receptor TRC8 (TRC8) | AF064801.1 | 3 |
| 1636 MIOA2616a ncrb1603 SEOA9912 | orphan G protein-coupled receptor (RDC1) | U67784 | 3 |
| 1637 seob7533 ncr7023 seob6515 | regulator of G-protein signalling 2, 24kD (RGS2) | NM_002923.1 | 3 |

Figure 6A - Continued

| | | | | |
|------|--|--|-------------|---|
| 1638 | ncrc5317 ncrc3408 MIOA6502a | regulator of G-protein signalling 5 (RGS5) | AF159570.1 | 3 |
| 1639 | SEOB0321 seob5012 ncr9982 | retinoic acid repressible protein (RARG-1) | AF172066.1 | 3 |
| 1640 | seob4068 hfc6648 hfc7052 | SGRF | AB030001.1 | 3 |
| 1641 | ncrc0288 ncrc2784 ncrc9160 | transforming growth factor, beta receptor III (betaglycan, 300kD) (TGFB3), mRNA | NM_003243.1 | 3 |
| 1642 | ncr7904 ncrb2918 ncrc7168 | 14-3-3 gamma | AB024334.1 | 3 |
| 1643 | MIOA7169a MIOA7206a SEOA6076a | cAMP-dependent protein kinase subunit RII-beta | M31158 | 3 |
| 1644 | seob4192 hfc7519 ncrc4991 | CDC-like kinase (CLK) | NM_004071.1 | 3 |
| 1645 | SEOB2185 ncrc6818 MIOA8542 | mitogen-activated protein kinase 14 (MAPK14) | 4503068 | 3 |
| 1646 | miob0175 mioa7804a seoa7838a | protein kinase, cAMP-dependent, regulatory, type I, alpha (tissue specific extinguisher 1) (PRKAR1A) | NM_002734.1 | 3 |
| 1647 | hfc3834 ncrb3267 ncr5407 | Ser/Arg-related nuclear matrix protein (plenty of prolines 101-like) (SRM160)(ORF) | NM_005839.1 | 3 |
| 1648 | ncr4212 FCR2253 ncrc6276 | serum-inducible kinase (SNK) | AF223574.1 | 3 |
| 1649 | MIOA5540a ncrc4532 hfc9293 | tyrosylprotein sulfotransferase-1(TPST1) | AF038009 | 3 |
| 1650 | MIOA0152 hfc3695 ncrb5637 | GTPase-activating protein ras p21 (RASA) | M23379 | 3 |
| 1651 | MIOA3060a miob6707 SEOA3662a | rab11a GTPase | AF000231 | 3 |
| 1652 | seob2308 MIOA7283 MIOA3092a | rab3 GTPase-activating protein, non-catalytic subunit (150kD) (RAB3-GAP150)(ORF) | NM_012414.1 | 3 |
| 1653 | miob6401 ncrc4318 seob6454 | ralA binding protein 1 (RALBP1) | NM_006788.1 | 3 |
| 1654 | SEOA4586 MIOA2203a SEOA4373a | ras-related YPT1 protein (ORF) | P11476 | 3 |
| 1655 | MIOB2645 ncrb2221 ncr8639 | signal transduction protein (SH3 containing) (EFS2) | gi5031680 | 3 |
| 1656 | miob5892 | CC chemokine gene cluster | AF088219.1 | 3 |

Figure 6A - Continued

| | | | |
|---|---|-------------|---|
| hocr1712 ncr4933 1657 hocr8385 | EGR1 gene for early growth response protein 1 (=zinc finger protein)(= transcription factor ETR103) | AJ243425.1 | 3 |
| ncrb4170 hocr9947 1658 MIOA4632a | growth differentiation factor 10 (GDF10) =D49492 = bone morphogenetic protein-3b | NM_004962.1 | 3 |
| mioa0557a miob0675 1659 ncrb3903 | quiescin Q6 (QSCN6)(= bone-derived growth factor (BPGF-1)) | NM_002826.1 | 3 |
| fcrb1657 ncrc6280 1660 MIOA8796 FCR0639 MIOB2105 | SDF2 | D50645 | 3 |
| 1661 SEOB1213 seob4844 seob4338 | seCRetory growth factor-like protein fallotein | AF091434.1 | 3 |
| 1662 seob3751 | uncharacterized bone marrow protein BM036 (BM036),(ORF) | NM_018453.1 | 3 |
| ncrc5385 ncrb0788 1663 ncr1494 | WNT1 inducible signaling pathway protein 3 (RefSeq aa 5e-38) | NP_003871.1 | 3 |
| ncrb1217 ncrb3121 1664 hocr8864 hocr7510 FCR4026 | ADP-ribosylation factor-like 2 (ARL2) | NM_001667.1 | 3 |
| 1665 seob4095 | ARP2 (actin-related protein 2, yeast) homolog (ACTR2) | NM_005722.1 | 3 |
| hocr7541 ncrb6807 1666 SEOA0840 hocr2643 FCR2504 | beta-catenin | X87838 | 3 |
| 1667 SEOB1238 MIOA2093 MIOA2301a | Ca2-activated neutral protease large subunit (CANP) | M23254.1 | 3 |
| 1668 ncrb7027 | calcium/calmodulin-dependent serine protein kinase (MAGUK family) (CASK) | NM_003688.1 | 3 |
| MIOA5357a MIOA5595a 1669 seob6000 | hHDC for homolog of Drosophila headcase (LOC51696) | NM_016217.1 | 3 |
| ncrb5295 seob7394 1670 miob3693 ncrb4515 ncrc0296 | MAX-interacting protein 1 (MXI1) | NM_005962.1 | 3 |
| 1671 SEOA7893a MIOA8196 SEOA8402a | Opa-interacting protein OIP2 | AF025438 | 3 |
| 1672 MIOA5608a ncr9763 ncr9039 | Sprouty 2 (SPRY2) | AF039843 | 3 |

Figure 6A - Continued

| | | | | |
|------|-----------|--|-------------|---|
| 1673 | seoa7808a | POM121 membrane glycoprotein (rat homolog)-like 2 (POM121L2), mRNA /cds=UNKNOWN /gb=NM_033482 /gi=15718529 /ug=Hs.8198 /len=154066 | Hs.8198 | 3 |
| | seoa4956a | | | |
| | seoa4985a | | | |
| 1674 | miob3705 | voltage-dependent anion channel 2 (VDAC2), nuclear gene encoding mitochondrial protein | NM_003375.1 | 3 |
| | ncrb0230 | | | |
| | mioa7783a | | | |
| 1675 | ncr2591 | alpha-parvin (PARVA) | AF237771.1 | 3 |
| | ncrb1534 | | | |
| | ncrc1274 | | | |
| 1676 | miob1350 | claudin-12 gene (CLDN12) | AJ250713.1 | 3 |
| | ncr3314 | | | |
| | ncrb2448 | | | |
| 1677 | SEOB1449 | C-type lectin | BAA95671.1 | 3 |
| | ncrc6787 | | | |
| | MIOA6484a | | | |
| 1678 | SEOA4386a | integrin, alpha subunit 1(ORF) | X68742 | 3 |
| | ncr3071 | | | |
| | ncr7644 | | | |
| 1679 | FCR2598 | integrin-linked kinase (ILK) | U40282 | 3 |
| | hfc6466 | | | |
| | hfc9993 | | | |
| 1680 | hfc6509 | podocalyxin-like (PODXL) | NM_005397.1 | 3 |
| | MIOB2107 | | | |
| | miob4716 | | | |
| 1681 | MIOA0497n | syntaxin 7 | U77942 | 3 |
| | MIOA8036a | | | |
| | ncrc6827 | | | |
| 1682 | SEOB0047 | DNA dependent ATPase and helicase (ATRX) | U72938.2 | 3 |
| | ncr4693 | | | |
| | ncr3596 | | | |
| 1683 | FCR3181 | histone H1 (0) | X03473 | 3 |
| | FCR6945 | | | |
| | hfc9927 | | | |
| 1684 | SEOA2847n | histone H2A.Z= M37583 | X52317 | 3 |
| | MIOA1249 | | | |
| | MIOA6228a | | | |
| 1685 | FCR5958 | histone H2B | AJ223352 | 3 |
| | fcrb1941 | | | |
| | fcrb1960 | | | |
| 1686 | SEOA8670 | non-histone chromosomal protein HMG-14 | M21339.1 | 3 |
| | CR0718 | | | |
| | miob5080 | | | |
| 1687 | SEOA9140 | cdk inhibitor p21 binding protein (TOK-1),(ORF)= AB040450.1 | NM_016567.1 | 3 |
| | ncrc3816 | | | |
| | hfc6041 | | | |
| 1688 | ncrb5737 | cyclin L ania-6a (RefSeq aa 1e-66) | NP_064703.1 | 3 |
| | ncrc4316 | | | |
| | ncrb2757 | | | |
| 1689 | FCR2417 | GTP-binding protein (HSR1) | L25665 | 3 |
| | FCR5127 | | | |
| | FCR6703 | | | |
| 1690 | SEOA1169A | GTP-binding protein(=KIAA0741) | AJ006412 | 3 |
| | SEOB2937 | | | |
| | ncr5440 | | | |

Figure 6A - Continued

| | | | | |
|------|-----------|---|-------------|---|
| 1691 | SEOA9539 | caspase 4, apoptosis-related cysteine protease (CASP4) (ORF) | NM_001225.1 | 3 |
| | ncrb1295 | | | |
| | ncr5992 | | | |
| 1692 | MIOA6659a | inhibitor of apoptosis protein 2 | U45879 | 3 |
| | SEOA1352 | | | |
| | MIOA2160a | | | |
| 1693 | ncr4208 | polymerase (RNA) II (DNA directed) polypeptide K (7.0kD) (POLR2K) | NM_005034.1 | 3 |
| | ncr2058 | | | |
| | ncr6110 | | | |
| 1694 | SEOB0085 | inhibin, beta A (activin A, activin AB alpha polypeptide) (INHBA) | NM_002192.1 | 3 |
| | SEOB1298 | | | |
| | seob5123 | | | |
| 1695 | SEOA4587 | NCK adaptor protein 1(NCK1)=X17576 melanoma mRNA for nck protein, showing homology to src (ORF) | NM_006153.1 | 3 |
| | miob1334 | | | |
| | ncr8026 | | | |
| 1696 | HFCR3154 | tumor suppressing subtransferable candidate 4 (TSSC4) | 5032204 | 3 |
| | hfc0342 | | | |
| | HFCR3142 | | | |
| 1697 | miob4668 | ASCL3; CEGP1; C11orf14, C11orf15, C11orf16 and C11orf17 | AJ400877.1 | 3 |
| | fcr6124n | | | |
| | hfc0610 | | | |
| 1698 | ncrb2916 | brain cDNA, clone:QnpA-18828 | AB049881.1 | 3 |
| | ncr1455 | | | |
| | ncrc2135 | | | |
| 1699 | ncrb6936 | brain-specific STE20-like protein kinase 3 (STK3) | AF083420.1 | 3 |
| | fcrb1926 | | | |
| | ncrc4302 | | | |
| 1700 | SEOA6698a | DD6A4-1 | AF034237 | 3 |
| | SEOA7089a | | | |
| | SOA0134 | | | |
| 1701 | MIOA4827a | expressed only in placental villi, clone SMAP47 | AB019564 | 3 |
| | mioa9515 | | | |
| | MIOA4941a | | | |
| 1702 | fcrb2430 | hypothetical gene supported by M29548; X03558; X16869; BC010735; BC014224; BC014377; BC014892; BC015777; NM_001402; NM_001403 (LOC138328), mRNA | XM_059967.1 | 3 |
| | fcrb2379 | | | |
| | miob6011 | | | |
| 1703 | ncrc2133 | hypothetical protein (RefSeq aa 4e-65) | NP_055701.1 | 3 |
| | ncr5924 | | | |
| | ncrc4645 | | | |
| 1704 | SEOA1483n | KIAA0160 | D63881 | 3 |
| | ncrb2466 | | | |
| | hfc0687 | | | |
| 1705 | SEOA7251a | KIAA0594 | AB011166 | 3 |
| | miob4679 | | | |
| | miob4950 | | | |
| 1706 | ncrc5804 | KIAA1128 protein, partial cds | AB032954.1 | 3 |
| | ncrc9582 | | | |
| | seob0992 | | | |
| 1707 | SEOA1750a | PCTAIRE2 | AB005540 | 3 |

Figure 6A - Continued

| | | | | |
|--|--|-------------|---|--|
| seob5110 SOA0209 | | | | |
| 1708 mioa9246 hfc7792 ncrc2484 | PRO0989 | AF116614 | 3 | |
| 1709 ncrc0742 miob2526 ncrb8760 | PRO2221 (RefSeq aa 1e-34) | NP_061094.1 | 3 | |
| 1710 seoa8092 | putative breast adenocarcinoma marker (32kD) (BC-2), mRNA /cds=(129,797) /gb=NM_014453 /gi=7656921 /ug=Hs.12107 /len=903 | Hs.12107 | 3 | |
| ncrb1899 seoa8091 | | | | |
| 1711 MIOA8716 hfc72906 ncrc1952 | transposon-like element | M23161 | 3 | |
| 1712 hfc72731 seob5048 ncrc1665 | WSB1 isoform 2 (WSB1) | AF240696.1 | 3 | |
| 1713 MIOA8183 ncrb1891 ncrc3219 | ATP cassette binding transporter 1 (ABC1) | AF165281.1 | 3 | |
| 1714 FCR1068 | beta-1,4-galactosyltransferase (=D38551 hypothetical protien (KIAA0078)) | D37790 | 3 | |
| FCR5778 seob2327 | | | | |
| 1715 hfc7438 SEOB1783 mioa9741 | UDP-N-acetyl-alpha-D-galactosamine:polypeptide | NM_004481.1 | 3 | |
| 1716 MIOA0647 miob0441 MIOA6552a | long-chain acyl-CoA synthetase | D10040 | 3 | |
| 1717 ncrc3498 | cytochrome b-245, beta polypeptide (chronic granulomatous disease) (CYBB), (= X-CGD gene involved in chronic granulomatous disease located on chromosome X) | NM_000397.2 | 3 | |
| MIOA4572a ncrc6974 | | | | |
| 1718 SEOA7334a | eukaryotic translation initiation factor 3, subunit 2 (beta, 36kD) | gi4503512 | 3 | |
| fcrb1837 hfc76866 | | | | |
| 1719 hfc7553 ncrc0455 ncrc3072 | Sec31 protein | AF139184.1 | 3 | |
| 1720 SEOA2996a BFCW0493 seob8293 | DNA-binding protein (CROC-1B) | U39361 | 3 | |
| 1721 seoa4896a | ring finger protein 13 (RNF13), mRNA /cds=(151,1296) /gb=NM_007282 /gi=6005863 /ug=Hs.6900 /len=2339 | Hs.6900 | 3 | |
| mioa9820 miob6796 | | | | |
| 1722 seob8246 SEOA8728 SEOA2874 | SPR-2 mRNA for GT box binding protein | X68560.1 | 3 | |
| 1723 ncr4337 ncrc6589 ncrb8712 | T-box 15 (Tbx15) | NM_009323.1 | 3 | |

Figure 6A - Continued

| | | | |
|---|--|-------------|---|
| 1724 hfc5045 SEOA9755 SEOA9781 | zinc finger protein 207 (ZNF207) | NM_003457.1 | 3 |
| 1725 ncrb5537 ncrb5865 ncrc9619 | alpha-2-macroglobulin precursor (RefSeq aa 1e-56) | NP_000005.1 | 3 |
| 1726 ncr9639 ncrc5162 ncr1475 | transmembrane 4 superfamily member 6 (TM4SF6) | NM_003270.1 | 3 |
| 1727 FCR3615 seob4570 MIOA8946 | cargo selection protein TIP47 (TIP47)(=PP17) | AF057140 | 3 |
| 1728 FCR2442 ncrc1129 hfc1127 | coatamer protein (COPA) | U24105 | 3 |
| 1729 SEOA6612a miob4096 ncrb7369 | CGI-43 protein | AF151801.1 | 3 |
| 1730 hfc0618 hfc7643 miob0776 | novel RGD-containing protein (WS-3) | NM_006571.1 | 3 |
| 1731 hfc9881 fcr3676n fcrb1101 | CDC42-binding protein kinase beta (DMPK-like) | XM_040911.1 | 3 |
| 1732 SEOA9082 hfc5205 ncrc1171 | Rab5 GDP/GTP exchange factor homologue (RABEX5) | NM_014504.1 | 3 |
| 1733 FCR2107 BFCW0140 fcrb1257 | heparin-binding neurite outgrowth promoting factor (genomic sequence) | S60110 | 3 |
| 1734 FCR3276 CR0740 FCR5880 | parathymosin | M24398 | 3 |
| 1735 seob5962 SOA0608 SOA0604 | calcium-binding protein in macrophages (MRP-8) macrophage migration inhibitory factor (MIF)-related protein(S100 calcium-binding protein A8 (calgranulin A))(= cystic fibrosis antigen (CFAg)) | X06234.1 | 3 |
| 1736 ncr1231 ncrc5518 ncr6302 | membrane nucleoside transporter (RefSeq aa 8e-89) | NP_055528.1 | 3 |
| 1737 ncrb1584 ncr7530 ncrc1633 | pinin, desmosome associated protein(RefSeq aa 7e-34) | NP_002678.1 | 3 |
| 1738 ncr5369 hfc2966 ncrc2171 | high-mobility group (nonhistone chromosomal) protein 14 (HMG14) | NM_004965.1 | 3 |
| 1739 fcrb0171 SEOA5448 BFCW0332 | RCC1 gene, exons 1, 2, 3,4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, complete cds= P18754 CELL CYCLE REGULATORY PROTEIN | D00591.1 | 3 |
| 1740 hfc1378 hfc3808 | XPB/ERCC-3-like protein | Y17148.1 | 3 |

Figure 6A - Continued

| | | | |
|----------------|---|-------------|---|
| hcr0467 | | | |
| 1741 SEOA2874 | GT box binding protein (SPR-2) | X68560 | 3 |
| SEOA8728 | | | |
| seob8246 | | | |
| 1742 ncr1765 | ribosomal 45S pre rRNA gene | X82564.1 | 3 |
| ncrc5255 | | | |
| ncrb7610 | | | |
| 1743 hcr3922 | flap structure-specific endonuclease 1 (FEN1), mRNA | NM_004111.3 | 3 |
| hcr5591 | | | |
| hcr3922 | | | |
| 1744 ncr2745 | postmeiotic segregation increased (<i>S. cerevisiae</i>) 2 (RefSeq aa 1e-67) | NP_000526.1 | 3 |
| ncrb4798 | | | |
| ncrc2745 | | | |
| 1745 fcrb0194 | eukaryotic translation elongation factor 1 alpha 1-like 14 (EEF1A1L14) | NM_001403.1 | 2 |
| fcrb0386 | | | |
| 1746 SEOA4081 | ribosomal 28S RNA | M11167 | 2 |
| ncr5632 | | | |
| 1747 ncr4522 | zinc-finger, splicing (RefSeq aa 4e-74) | NP_005446.1 | 2 |
| ncr5376 | | | |
| 1748 seob6670 | DNA repair helicase (ERCC3) | M31899.1 | 2 |
| MIOA8728 | | | |
| 1749 hcr4462 | minichromosome maintenance deficient (<i>S. cerevisiae</i>) 3 (MCM3) | NM_002388.2 | 2 |
| FCR0915 | | | |
| 1750 miob6124 | NRF1 protein (NRF1)= non-functional folate binding protein | L24123.1 | 2 |
| ncrb1109 | | | |
| 1751 SEOB2807 | RNA binding motif, single stranded interacting protein 1 (RBMS1) | gi8400721 | 2 |
| ncr6703 | | | |
| 1752 ncr8709 | beta-netrin | AF278532 | 2 |
| ncrb6592 | | | |
| 1753 SEOA7553a | kinesin (heavy chain) | X65873 | 2 |
| ncr7801 | | | |
| 1754 ncr6881 | bamacan (RefSeq aa 1e-76) | NP_005436.1 | 2 |
| ncrb1740 | | | |
| 1755 hcr5232 | cartilage oligomeric matrix protein (COMP) | NM_000095.1 | 2 |
| hcr7454 | | | |
| 1756 FCR7199 | collagen type X alpha 1(COL10A1) | X72580 | 2 |
| miob6336 | | | |
| 1757 hcr0074 | chemokine-like factor 1 (CKLF1) | AF096895.1 | 2 |
| hcr0170 | | | |
| 1758 miob3411 | ecotropic viral integration site 2A (EVI2A) | NM_014210.1 | 2 |
| ncrb4460 | | | |
| 1759 miob6226 | apoptosis inhibitor (IEX-1L) gene | AF071596.1 | 2 |
| hcr2815 | | | |
| 1760 FCR1976 | fructose 1,6-diphosphate aldolase A (=X05236;M11560;X12447) | M21190 | 2 |
| MIOA7258a | | | |
| 1761 SEOA6470a | UDP-GalNAc:polypeptide N- acetylgalactosaminyltransferase (T1) | X85018 | 2 |
| miob4741 | | | |
| 1762 FCR4570 | NADH:ubiquinone oxidoreductase B15 subunit (mitochondrial) | AF044957 | 2 |
| SEOA7072a | | | |
| 1763 miob5713 | aspartate beta-hydroxylase (ASPH) | NM_004318.1 | 2 |
| FCR2135 | | | |

Figure 6A - Continued

| | | | |
|----------------------------|---|-------------|---|
| 1764 SEOA2209a SEOA2858 | fragile X mental retardation protein 1 homologue FXR1 | U25165 | 2 |
| 1765 miob6521 | protein disulfide isomerase related protein (ERp72) (clone pA3) | J05016.1 | 2 |
| FCR5687 | | | |
| 1766 seob4035 ncrb7048 | ubiquitin specific protease 16 (USP16) | NM_006447.1 | 2 |
| 1767 miob1827 ncr5151 | retinoblastoma-like 2 (p130)(RBL2) | NM_005611.1 | 2 |
| 1768 ncr4474 ncr5061 | U6 snRNA-associated Sm-like protein 2e-32 | NP_036454.1 | 2 |
| 1769 SEOA0010 FCR7051 | autoantigen | L05425 | 2 |
| 1770 hfc1856 CR0044 | microtubule-associated protein 4 (MAP4) | NM_002375.1 | 2 |
| 1771 miob7009 ncr0690 | RBP1-like protein (LOC51742) | NM_016374.1 | 2 |
| 1772 ncr4194 SEOA9423 | glioma pathogenesis-related protein (GliPR) | U16307.1 | 2 |
| 1773 SEOB0221 | SMT3 (suppressor of mif two 3, yeast) homolog 1 (SMT3H1) | NM_006936.1 | 2 |
| miob5747 | | | |
| 1774 miob3955 ncrb6903 | surface glycoprotein | Z50022.1 | 2 |
| 1775 SEOB3517 ncrc2641 | tetratricopeptide repeat domain 1 (TTC1) | NM_003314.1 | 2 |
| 1776 hfc9287 hfc7989 | ATPase, vacuolar, 14 kD (ATP6S14) | NM_004231.1 | 2 |
| 1777 seob8301 | solute carrier family 20 (phosphate transporter), member 1 (SLC20A1) (=L20859.1 leukemia virus receptor 1) | 7382462 | 2 |
| miob6354 | | | |
| 1778 MIOA6093a SEOA0482 | glycogen phosphorylase | Y15233 | 2 |
| 1779 MIOA3793 | ribonuclease L (2',5'-oligoadenylate synthetase- dependent) inhibitor (RNASELI) | 4506558 | 2 |
| SEOA1044a | | | |
| 1780 FCR6299 | cytochrome c oxidase subunit VII-related protein (COX7RP) | AB007618 | 2 |
| SEOA0729a | | | |
| 1781 MIOA5813a | lymphocyte dihydropyrimidine dehydrogenase (DPYD) | U20938 | 2 |
| SEOA8927 | | | |
| 1782 ncrb1337 | eukaryotic translation initiation factor 3, subunit 7 (zeta, 66/67kD) | NM_003753.1 | 2 |
| hfc3509 | | | |
| 1783 hfc1904 hfc1098 | chaperonin containing TCP1, subunit 7 (eta) (CCT7) | NM_006429.1 | 2 |
| 1784 SEOB3090 | ubiquitin carboxyl-terminal esterase L3 (ubiquitin thiolesterase) (UCHL3) | NM_006002.1 | 2 |
| miob0263 | | | |
| 1785 SEOB2657 | ubiquitination factor E4A (homologous to yeast UFD2) (UBE4A) | 4759287 | 2 |
| hfc7704 | | | |
| 1786 miob3700 miob3413 | Vacuolar protein sorting 26 (yeast homolog) (VPS26) | NM_004896.1 | 2 |
| 1787 MIOA4818a | cAMP responsive element binding protein-like 2 (CREBL2) | NM_001310.1 | 2 |
| MIOA0190 | | | |

Figure 6A - Continued

| | | | | |
|------|--------------------------|--|-------------|---|
| 1788 | SEOA7099a FCR2127 | erg protein (ets-related gene) | M21535 | 2 |
| 1789 | hfc0300 ncr2123 | Id3 gene for HLH type transcription factor | X73428.1 | 2 |
| 1790 | hfc3413 hfc6286 | Kruppel-like factor (LOC51713) | NM_016270.1 | 2 |
| 1791 | seob3367 ncrc5021 | THYROID HORMONE-INDUCED PROTEIN B PRECURSOR (aa 9e-21, 59%) | Q91641 | 2 |
| 1792 | MIOA5212a FCR6546 | zinc finger transCRiptional regulator (GOS24) | M92844 | 2 |
| 1793 | ncr5341 | splicing factor, arginine/serine-rich 3 (RefSeq aa 5e-32) | NP_003008.1 | 2 |
| 1794 | seob8073 hfc1886 | chromodomain helicase DNA | NM_001271.1 | 2 |
| 1795 | hfc8821 hfc4014 | keratocan (KERA), (=keratocan gene, promoter)(keratan sulfate proteoglycan) | NM_007035.2 | 2 |
| 1796 | hfc9342 hfc9728 | beta tropomyosin (TPM2) gene | AF209746.1 | 2 |
| 1797 | hfc9822 hfc7948 | muscle mRNA for embryonic myosin heavy chain (SMHCE) | X15696.1 | 2 |
| 1798 | SEOA9997 MIOA4295a | nuclear receptor coactivator (=TRBP) | AF245115 | 2 |
| 1799 | hfc3398 seob5981 | protein tyrosine kinase 9 (PTK9) | NM_002822.1 | 2 |
| 1800 | SEOA7555a MIOA7093a | serine kinase SRPK2 | U88666 | 2 |
| 1801 | miob3131 ncr9964 | bone morphogenetic protein 6 (BMP6)(= transforming growth factor-beta(tgf-beta)) | NM_001718.2 | 2 |
| 1802 | SEOA5106a SEOA4443a | cell adhesion molecule (CD44) | M59040 | 2 |
| 1803 | SEOA3839 ncr9092 | C-type (calcium dependent, carbohydrate-recognition domain) lectin, superfamily member 2 (activation- induced) (CLECSF2) (=E17140; X96719) | 4826676 | 2 |
| 1804 | FCR2821 hfc3039 | cyclin-dependent kinase 4 (CDK4) | U37022 | 2 |
| 1805 | ncr9113 ncrb7006 | WEE1 gene for protein kinase and partial ZNF143 gene for zinc finger transcription factor | AJ277546.1 | 2 |
| 1806 | ncr2807 ncrc4772 | programmed cell death 4 (RefSeq aa 7e-54) | NP_055271.1 | 2 |
| 1807 | SEOA1770a FCR6285 | 130 kD Golgi-localized phosphoprotein (GPP130) | U55853 | 2 |
| 1808 | miob0960 ncrb0150 | ALL-1 gene | Z69780.1 | 2 |
| 1809 | mioa9304 FCR4952 | deleted in pancreatic carcinoma (DPC4) gene, exon 3 | AF045440.1 | 2 |
| 1810 | miob1939 ncr1754 | E-1 enzyme (MASA) | AF113125.1 | 2 |
| 1811 | SEOA4675a FCR1919 | FSHD-associated repeat DNA, proximal region=(AK001145) unnamed protein product (ORF) | U85056 | 2 |
| 1812 | miob2881 hfc0394 | GalNAc-T2 gene | Y10344.1 | 2 |

Figure 6A - Continued

| | | | | |
|------|----------------------------|---|-------------|---|
| 1813 | hfc0400 SEOA5665a | glycolipid transfer protein (LOC51228) | NM_016433.1 | 2 |
| 1814 | hfc2836 seoa7879a | golgi autoantigen, golgin subfamily a, 3 (GOLGA3) | NM_005895.1 | 2 |
| 1815 | ncr6232 SEOB1770 | KIAA0068 gene | D38549.1 | 2 |
| 1816 | miob3927 ncrc9225 | KIAA0423 | AB007883.1 | 2 |
| 1817 | FCR3278 miob6061 | KIAA0738 | AB018281 | 2 |
| 1818 | hfc5383 miob3797 | leukemogenic homolog protein (MEIS1) | U85707.1 | 2 |
| 1819 | ncr4180 hfc0424 | nuclear autoantigenic sperm protein (histone-binding) (NASP) | NM_002482.1 | 2 |
| 1820 | MIOB0336 FCR5560 | p21WAF1/CIP1 promoter-interacting protein (=KIAA0547) | AF265443.1 | 2 |
| 1821 | SEOA5746a hfc2656 | tetracycline transporter-like protein | D88315 | 2 |
| 1822 | ncr2486 ncrc9462 | lung type-I cell membrane-associated glycoprotein (RefSeq aa 2e-47) | NP_006465.1 | 2 |
| 1823 | SEOA4289a MIOA8965 | acyl-coenzyme A:cholesterol acyltransferase (ORF) | L21934.2 | 2 |
| 1824 | FCR7656 MIOA8657 | casein kinase II alpha subunit | M55268 | 2 |
| 1825 | ncr3782 seoa7973 | protein tyrosine phosphatase type IVA, member 1 (PTP4A1) | NM_003463.1 | 2 |
| 1826 | miob4126 miob5731 | protein tyrosine phosphatase, non-receptor type 12 (PTPN12) | NM_002835.1 | 2 |
| 1827 | miob6702 ncr0140 | protein tyrosine phosphatase, non-receptor type 13 (APO-1/CD95 (Fas)-associated phosphatase) (PTPN13) | NM_006264.1 | 2 |
| 1828 | miob5770 mioa9210 | 5'-3' exoribonuclease 2 (XRN2) | NM_012255.1 | 2 |
| 1829 | ncrb1670 hfc2526 | APEX nuclease (multifunctional DNA repair enzyme) (RefSeq aa 4e-74) | NP_001632.1 | 2 |
| 1830 | fcrb0743 fcrb1339 | carbamoyl-phosphate synthetase 2, aspartate transcarbamylase, and dihydroorotase (CAD) | NM_004341.1 | 2 |
| 1831 | hfc7977 ncrb4849 | phosphoribosyl pyrophosphate synthetase-associated protein 1 (PRPSAP1) | NM_002766.1 | 2 |
| 1832 | MIOA3103a MIOA3255a | aldehyde dehydrogenase (ALD10), miCRosomal | U46689 | 2 |
| 1833 | hfc4176 ncrb4057 | low density lipoprotein-related protein 1 (alpha-2-macroglobulin receptor) (LRP1) | NM_002332.1 | 2 |
| 1834 | MIOA1848a SEOA7219a | NADP dependent cytoplasmic malic enzyme (=U43944) | X77244 | 2 |
| 1835 | SEOB3156 hfc3476 | hyaluronan-binding protein precursor (HABP1) | AF275902.1 | 2 |

Figure 6A - Continued

| | | | |
|----------------|---|-------------|---|
| 1836 miob6797 | leucine rich repeat (in FLII) interacting protein 1 (LRRFIP1) (=GCF2) | NM_004735.1 | 2 |
| seob5570 | | | |
| 1837 miob3360 | serine-rich protein | AF246705.1 | 2 |
| hfcr9600 | | | |
| 1838 SEOA7086a | EUKARYOTIC TRANSLATION INITIATION FACTOR 3 SUBUNIT 10 (EIF-3 THETA) (EIF3 P167) (EIF3 P180) (EIF3 P185) (KIAA0139) | spQ14152 | 2 |
| ncr4929 | | | |
| 1839 FCR7208 | translation initiation factor eIF-3 p110 subunit | U46025 | 2 |
| FCR0333 | | | |
| 1840 SEOA2345a | metalloprotease/disintegrin/cysteine-rich protein precursor (MDC9) (=D14665 KIAA0021) | U41766 | 2 |
| MIOA2986a | | | |
| 1841 seob5144 | proteasome (prosome, macropain) activator subunit 1 (PA28 alpha) (PSME1) | NM_006263.1 | 2 |
| SEOB1350 | | | |
| 1842 SEOA5253a | weak similarity to Arabidopsis thaliana ubiquitin-like protein 8 (77% ORF) | U88173 | 2 |
| SEOA8223 | | | |
| 1843 MIOA1662a | cullin 3 (CUL3) (=AB014517 KIAA0617) | gi4503164 | 2 |
| hfcr1771 | | | |
| 1844 seob7896 | cyclophilin 40 | D63861.1 | 2 |
| SEOA1009n | | | |
| 1845 hfcr9249 | cellular retinoic acid-binding protein 2 (CRABP2) | NM_001878.2 | 2 |
| FCR0599 | | | |
| 1846 FCR5721 | DNA binding protein NAK1 | D49728 | 2 |
| BFCW0542n | | | |
| 1847 miob4385 | host cell factor 2 (HCF-2) | NM_013320.1 | 2 |
| seob4297 | | | |
| 1848 miob3798 | LIM protein (similar to rat protein kinase C-binding enigma) (LIM) | NM_006457.1 | 2 |
| ncrb3171 | | | |
| 1849 SEOA0158 | von Hippel-Lindau binding protein (VBP-1) | U96759 | 2 |
| ncr1257 | | | |
| 1850 miob3348 | heterogeneous nuclear ribonucleoprotein F (HNRPF) | NM_004966.1 | 2 |
| ncrc2490 | | | |
| 1851 HFRCR3197 | poly(A)-binding protein, nuclear 1 (PABPN1) | gi4758875 | 2 |
| ncrb2288 | | | |
| 1852 hfcr9032 | Sjogren syndrome antigen A1 (SSA1) | NM_003141.1 | 2 |
| miob1342 | | | |
| 1853 seob7613 | core-binding factor, runt domain, alpha subunit 2; translocated to, 1; cyclin D-related (CBFA2T1) | NM_004349.1 | 2 |
| ncrc9488 | | | |
| 1854 SEOA1362a | membrane component, chromosome 17, surface marker 2 (ovarian carcinoma antigen CA125) (M17S2) (=X76952 IA1.3B; D30756 KIAA0049) | gi5174504 | 2 |
| ncr8524 | | | |
| 1855 MIOA7088a | X-ray repair complementing defective repair in Chinese hamster cells 4 (XRCC4) (=U40622) | gi4507944 | 2 |
| SEOA6203a | | | |
| 1856 miob4975 | factor I (C3b/C4b inactivator) | J02770.1 | 2 |
| miob6272 | | | |
| 1857 SEOB3370 | MHC class II HLA-DR-beta | M20430.1 | 2 |
| SEOA3192 | | | |
| 1858 hfcr1743 | CGI-45 protein (LOC51094) | NM_015999.1 | 2 |
| fcrb1813 | | | |
| 1859 ncr3325 | golgi matrix protein GM130 (GOLGA2) (non-exact 78% a.a.) %FL | AAF65550.1 | 2 |

Figure 6A - Continued

| | | | |
|----------------|---|-------------|---|
| ncrb7460 | | | |
| 1860 ncr9096 | EGF-like repeats and discoidin I-like domains 3 (RefSeq aa 28-55) | NP_005702.1 | 2 |
| ncrc3465 | | | |
| 1861 FCR0536 | fibrillin-2 | U03272 | 2 |
| HFCR3251 | | | |
| 1862 seob5493 | fibulin 5 (FBLN5) | NM_006329.1 | 2 |
| ncrb0611 | | | |
| 1863 hfc2979 | microfibrillar-associated protein 1 (MFAP1) | NM_005926.1 | 2 |
| ncr1104 | | | |
| 1864 ncr3052 | actin-binding LIM protein (ABLM) | NM_006719.2 | 2 |
| ncrc4669 | | | |
| 1865 hfc9445 | thyroid autoantigen 70kD (Ku antigen) (G22P1) | NM_001469.1 | 2 |
| hfc0428 | | | |
| 1866 SEOA7178a | vinculin | M33308 | 2 |
| SEOB3155 | | | |
| 1867 SEOA5239a | cardiac myosin binding protein-C (ORF) | X84075 | 2 |
| MIOA4106 | | | |
| 1868 SEOB3462 | tropomyosin 4 (TPM4) | Y00169.1 | 2 |
| hfc2715 | | | |
| 1869 hfc6841 | troponin T3, skeletal fast (TNNT3) | NM_006757.1 | 2 |
| hfc7396 | | | |
| 1870 hfc2536 | lamin B receptor (LBR) | NM_002296.1 | 2 |
| ncrb4988 | | | |
| 1871 seob4987 | surfeit 1 (SURF1) | NM_003172.1 | 2 |
| ncr7098 | | | |
| 1872 SEOA5455 | unc-50 related protein homologue | AF077038.1 | 2 |
| miob4351 | | | |
| 1873 MIOA1906a | 100 kDa coactivator | U22055 | 2 |
| miob4490 | | | |
| 1874 ncr6401 | diphtheria toxin receptor (heparin-binding epidermal growth factor-like growth factor)(DTR) | NM_001945.1 | 2 |
| ncrc6846 | | | |
| 1875 SEOA8609 | Fc fragment of IgE, high affinity I, receptor for; gamma polypeptide (FCER1G) | gi4758343 | 2 |
| ncrb1563 | | | |
| 1876 FCR7045 | fibroblast growth factor receptor (FGFR-4) | X57205 | 2 |
| hfc7360 | | | |
| 1877 ncr2015 | G protein-coupled receptor 23 (GPR23) | NM_005296.1 | 2 |
| ncrc1236 | | | |
| 1878 seob4676 | stromal cell protein isoform | AF126024 | 2 |
| hfc0344 | | | |
| 1879 miob3763 | mitogen-activated protein kinase kinase kinase kinase 4 (MAP4K4) | NM_004834.1 | 2 |
| miob6081 | | | |
| 1880 ncr4683 | protein kinase, cGMP-dependent, type I (PRKG1) | NM_006258.1 | 2 |
| MIOA8228 | | | |
| 1881 ncrb6337 | serine/threonine protein kinase MASK (LOC51765) | NM_016542.1 | 2 |
| ncrb8443 | | | |
| 1882 hfc3690 | guanine nucleotide binding protein 10 (GNG10) | NM_004125.1 | 2 |
| ncr2251 | | | |
| 1883 SEOB0879a | angiopoietin-related protein | AF153606.1 | 2 |
| seob5223 | | | |
| 1884 hfc2846 | macrophage migration inhibitory factor (glycosylation-inhibiting factor)(MIF) | NM_002415.1 | 2 |
| FCR1351 | | | |
| 1885 SEOA9343 | uncharacterized hypothalamus protein HTMP (LOC55858)(ORF) | NM_018475.1 | 2 |
| hfc7790 | | | |

Figure 6A - Continued

| | | | |
|--------------------------------|--|-------------|---|
| 1886 FCR7418 ncr1460 | histone H2A.F/Z variant (H2AV) | AF081192 | 2 |
| 1887 SEOA0823 FCR1081 | C-1 | U41816 | 2 |
| 1888 SEOB0046 seob7294 | cyclin-D binding Myb-like protein | AF084530.1 | 2 |
| 1889 hfc4489 SEOB0263 | GTP-binding protein G25K | AL121737.1 | 2 |
| 1890 miob4213 hfc9949 | reverse transcriptase homolog - human retrotransposon L1 | pir 38588 | 2 |
| 1891 SEOA2734 SEOB3221 | ATP binding protein | AB006679 | 2 |
| 1892 miob6486 miob5426 | BCL2 gene, exon 3 and breakpoint region | AF217803.1 | 2 |
| 1893 hfc5691 hfc3551 | PRP4/STK/WD splicing factor (HPRP4P) | NM_004697.1 | 2 |
| 1894 miob6351 hfc1713 | tumor protein D52-like 1 (TPD52L1) | NM_003287.1 | 2 |
| 1895 FCR1388N hfc2948 | 7-60 (gene) | AF112980 | 2 |
| 1896 MIOA6471a SEOA4811a | activated in tumor suppression | AJ012502.1 | 2 |
| 1897 fcrb2100 ncrc4196 | adipose differentiation-related protein (ADFP) | XM_048266.2 | 2 |
| 1898 seob6279 hfc0901 | ALL1-fused gene from chromosome 1q (AF1Q) | NM_006818.1 | 2 |
| 1899 SEOB1860 SEOA6687a | AML1 AML1c protein (alternatively spliced product) | D43969.1 | 2 |
| 1900 miob4956 MIOA2977a | antigen NY-CO-10 (NY-CO-10) | AF039692.1 | 2 |
| 1901 ncrb2754 ncrb8537 | BABP gene for bile acid-binding protein [AKR 1C2] | AB032151.1 | 2 |
| 1902 mioa9429 ncrc9473 | beige-like protein (BGL) | M83822.1 | 2 |
| 1903 SEOA4457a fcrb0140 | BRCA2 region= ARP2/3 protein complex subunit 34 (ARC34)(ORF) | U50523 | 2 |
| 1904 SEOA0772n SEOA1782a | Brush-1=tumor suppressor (=AB020707 KIAA0900) | S69790 | 2 |
| 1905 seob5214 FCR6088 | BTK region clone 2f10-rpi | U01925.1 | 2 |
| 1906 hfc6265 fcrb2255 | candidate tumor suppressor p33 ING1 homolog (LOC51147) | NM_016162.1 | 2 |
| 1907 SEOA9161 SEOA9365 | CG14483 gene product (35% ORF) [Drosophila melanogaster] | AE003802 | 2 |
| 1908 SEOB1678 ncr2243 | chitinase, di-N-acetyl- (CTBS) | NM_004388.1 | 2 |
| 1909 ncrc1945 seob6224 | COP9 (constitutive photomorphogenic, Arabidopsis, homolog) subunit 5 (RefSeq aa 8e-74) | NP_006828.1 | 2 |
| 1910 FCR4725 FCR6629 | COP9 homolog (HCOP9) | U51205 | 2 |
| 1911 seob7944 SEOA9636 | cytokine inducible SH2-containing protein 3 (Cish3) | gi6671757 | 2 |
| 1912 SEOA1067a | cytokine-inducible SH2 protein 6 (CISH6) (=AB014571 KIAA0671) | AF073958.1 | 2 |

Figure 6A - Continued

| | | | |
|----------------|---|-------------|---|
| MIOA0409a | | | |
| 1913 MIOA7347a | DAPIT protein | AJ271158 | 2 |
| SEOA9513 | | | |
| 1914 MIOA1603a | Dim1p homolog (hdim1) | AF023611 | 2 |
| fcrb2234 | | | |
| 1915 MIOA6188a | DMA, DMB, HLA-Z1, IPP2, LMP2, TAP1, LMP7, TAP2, DOB, DQB2 and RING8 | X87344 | 2 |
| ncr9000 | | | |
| 1916 SEOB1196 | Dmx-like 1 (DMXL1) | NM_005509.1 | 2 |
| hfcr1221 | | | |
| 1917 ncr5397 | down-regulated in metastasis (DRIM) | NM_014503.1 | 2 |
| MIOA0933 | | | |
| 1918 seob5592 | downregulated in ovarian cancer 1 (DOC1) | NM_014890.1 | 2 |
| hfcr5791 | | | |
| 1919 miob6904 | enhancer of invasion 10 (HEI10) (=DKFZp564A0772) | AF216381.1 | 2 |
| ncr9647 | | | |
| 1920 seob6560 | EXLM1 | AB006651.1 | 2 |
| FCR1653 | | | |
| 1921 MIOA7170a | FLI-LRR associated protein-1 | AF045573 | 2 |
| FCR2782 | | | |
| 1922 SEOA1901 | fvt1 | X63657 | 2 |
| SEOB0247 | | | |
| 1923 MIOA2330a | GA17 protein (dendritic cell protein) | AF064603 | 2 |
| FCR3115N | | | |
| 1924 ncrb3107 | GL004 protein (RefSeq aa 2e-34) | NP_064579.1 | 2 |
| hfcr1908 | | | |
| 1925 SEOA8754 | glioma tumor suppressor candidate region protein 2 | AAF62873.1 | 2 |
| hfcr7716 | | | |
| 1926 ncrb3077 | guanylate binding protein 1, interferon-inducible, 67kD (RefSeq aa 4e-56) | NP_002044.1 | 2 |
| ncrc0538 | | | |
| 1927 seob7614 | HDCMA18P protein (HDCMA18P) | NM_016648.1 | 2 |
| SEOB0210 | | | |
| 1928 ncr3397 | HDCMC29P | AF068295.1 | 2 |
| hfcr9657 | | | |
| 1929 miob4822 | hDj9 (=AL032657) (65% aa) | AB028859 | 2 |
| ncrb6802 | | | |
| 1930 seob6415 | HepG2 3' region Mbol cDNA, clone hmd3c06m3 | D17196.1 | 2 |
| miob6582 | | | |
| 1931 ncr3843 | HP protein (HP) | AF026219.1 | 2 |
| miob1954 | | | |
| 1932 SEOB1754 | HSPC007 protein | NP_054737.1 | 2 |
| ncrb8459 | | | |
| 1933 fcrb1120 | HSPC023 protein (HSPC023), D2217 | NM_014047.1 | 2 |
| fcrb1918 | | | |
| 1934 hfcr9837 | HSPC043 protein mRNA, (=HSPC291) | AF161411.2 | 2 |
| miob0537 | | | |
| 1935 miob2492 | HSPC085 | AF161348.1 | 2 |
| ncrb3330 | | | |
| 1936 miob3199 | HSPC095 | AF161358.1 | 2 |
| ncrc5413 | | | |
| 1937 ncr3528 | HSPC115 mRNA,(= adenosine 5'-diphosphosugar pyrophosphatase (NUDT5))(= nudix (nucleoside diphosphate linked moiety X)-type motif 5 (NUDT5)) | AF161464.1 | 2 |
| mioa2522a | | | |
| 1938 SEOA4163a | HSPC132 (ORF) | AF161481 | 2 |
| fcrb1698 | | | |
| 1939 seob6386 | HSPC133 protein (HSPC133) (=cDNA FLJ10459 fis) | NM_014168.1 | 2 |
| ncr9297 | | | |

Figure 6A - Continued

| | | | |
|-----------------------------|--|-------------|---|
| 1940 ncrb0145 ncrb7315 | HSPC134 protein (HSPC134) | NM_014169.1 | 2 |
| 1941 hfc1779 ncrc1053 | HSPC229 | AF151063.1 | 2 |
| 1942 SEOA4802a SEOB1549 | HSPC250 (ORF) | AF151084 | 2 |
| 1943 SEOB0065 ncrb1836 | HSPC292 | AAF28970.1 | 2 |
| 1944 ncrc0922 ncrb8183 | HSPC302 | AF161420.1 | 2 |
| 1945 ncrb7329 | HT005 protein (=ariadne (Drosophila) homolog 2 (ARIH2))(= TRIAD1 type I) | AF183427.1 | 2 |
| ncrc9674 | | | |
| 1946 ncrb3348 ncrb2289 | HT014 (HT014) | AF221595.1 | 2 |
| 1947 MIOA1301m BFCS0315n | HYA22 | D88153 | 2 |
| 1948 ncr2695 miob6144 | hypothalamus protein HT007 (RefSeq aa 2e-64) | NP_060950.1 | 2 |
| 1949 fcrb1492 fcrb1373 | hypothetical gene (LOC115009) | XM_055020.1 | 2 |
| 1950 SEOB0688a hfc1330 | intergenic DNA between SURF-2 and SURF-4 | Y17214 | 2 |
| 1951 miob1967 mioa5679n | IRLB gene (exon5) | X82334.1 | 2 |
| 1952 FCR1844 hfc8628 | ITBA1 protein | X92475 | 2 |
| 1953 fcrb1158 FCR7256 | JM4 protein (JM4) | NM_007213.1 | 2 |
| 1954 MIOA7140a SEOB0106 | KIAA0006 | D25304 | 2 |
| 1955 SEOB1335 seob5089 | KIAA0009 | D13634.1 | 2 |
| 1956 MIOA1585 hfc3548 | KIAA0010 | D13635 | 2 |
| 1957 FCR6847 hfc3575 | KIAA0017 | D13642 | 2 |
| 1958 ncrc4597 | KIAA0025 gene product; MMS-inducible gene (KIAA0025) | NM_014685.1 | 2 |
| ncrc2025 | | | |
| 1959 FCR6700 hfc0862 | KIAA0036 | D25278 | 2 |
| 1960 hfc1395 hfc6778 | KIAA0039 (ORF) | D26018.1 | 2 |
| 1961 MIOA3380a SEOB1589 | KIAA0041 | D26069 | 2 |
| 1962 SEOB3149 seob7753 | KIAA0049 | D30756.1 | 2 |
| 1963 miob3427 ncrc5813 | KIAA0058 | NM_014764.1 | 2 |
| 1964 SEOB0915 ncrb8403 | KIAA0066 | D31886.1 | 2 |
| 1965 miob6878 BFCS0484 | KIAA0072 gene | D31889.1 | 2 |
| 1966 MIOA1006 ncr4779 | KIAA0073 (cyclophilin related) | D38552 | 2 |
| 1967 ncr7249 ncr2212 | KIAA0093 | D42055.1 | 2 |
| 1968 miob3420 | KIAA0095 gene | NM_014669.1 | 2 |

Figure 6A - Continued

| | | | |
|----------------|----------------------------------|-------------|---|
| SEOA8890 | | | |
| 1969 hfc3962 | KIAA0105 | NM_004906.1 | 2 |
| hfc2042 | | | |
| 1970 SEOA7509a | KIAA0112 | D25218 | 2 |
| ncrb1859 | | | |
| 1971 FCR4722 | KIAA0117 | D38491 | 2 |
| ncr4515 | | | |
| 1972 miob4413 | KIAA0155 gene | NM_014633.1 | 2 |
| fcr4888 | | | |
| 1973 ncrb0696 | KIAA0156 gene product (KIAA0156) | NM_014706.1 | 2 |
| ncrb4398 | | | |
| 1974 SEOA8370a | KIAA0161 | D79983 | 2 |
| SEOA2747 | | | |
| 1975 SEOA1582a | KIAA0178 | D80000 | 2 |
| seob4356 | | | |
| 1976 FCR4634 | KIAA0180 | D80002 | 2 |
| hfc0207 | | | |
| 1977 miob5940 | KIAA0183 gene | D80005.1 | 2 |
| MIOA7280 | | | |
| 1978 seob4254 | septin 2 (SEP2) | AF179995.1 | 2 |
| FCR5975 | | | |
| 1979 SEOA4070 | KIAA0203 | D86958 | 2 |
| seob5582 | | | |
| 1980 FCR2116 | KIAA0217 | D86971 | 2 |
| hfc9280 | | | |
| 1981 ncrb6796 | KIAA0225 gene | D86978.1 | 2 |
| ncr7906 | | | |
| 1982 SEOA2499 | KIAA0227 | D86980 | 2 |
| mioa9936 | | | |
| 1983 ncrb0200 | KIAA0228 gene | D86981.1 | 2 |
| ncrc2692 | | | |
| 1984 hfc0486 | KIAA0233 | NM_014745.1 | 2 |
| hfc5829 | | | |
| 1985 FCR5228 | KIAA0253 | D87442 | 2 |
| hfc9294 | | | |
| 1986 FCR0609 | KIAA0254 | D87443 | 2 |
| SEOA8578 | | | |
| 1987 ncrb2909 | KIAA0258 gene | NM_014785.1 | 2 |
| ncrc3514 | | | |
| 1988 mioa9649 | KIAA0266 gene, (ORF) | D87455 | 2 |
| ncrb3629 | | | |
| 1989 fcrb0673 | KIAA0324 | AB002322.2 | 2 |
| ncrb1593 | | | |
| 1990 SEOA7943a | KIAA0353 | AB002351 | 2 |
| ncrc8835 | | | |
| 1991 MIOA1890a | KIAA0368 | AB002366 | 2 |
| hfc2727 | | | |
| 1992 fcrb0301 | KIAA0370 gene | AB002368.1 | 2 |
| seob7096 | | | |
| 1993 FCR7623 | KIAA0447 | AB007916 | 2 |
| ncrc6905 | | | |
| 1994 SEOB1775 | KIAA0451 | NM_014826.1 | 2 |
| ncrc3108 | | | |
| 1995 FCR4240 | KIAA0456 | AB007925 | 2 |
| FCR4246 | | | |
| 1996 seob6268 | KIAA0466 protein | AB007935.1 | 2 |
| hfc8498 | | | |
| 1997 FCR7063 | KIAA0470 | AB007939 | 2 |
| ncr7647 | | | |

Figure 6A - Continued

| | | | |
|----------------------------|---|-------------|---|
| 1998 ncr2583 ncrb1548 | KIAA0471 gene product (KIAA0471) | NM_014857.1 | 2 |
| 1999 SEOB3594 ncr6765 | KIAA0475 | NM_014864.1 | 2 |
| 2000 MIOA6034 miob5779 | KIAA0480 | AB007949 | 2 |
| 2001 hfcr7629 ncr7091 | KIAA0488 | AB007957.1 | 2 |
| 2002 SEOA9924 SEOB0235 | KIAA0491 | AB007960 | 2 |
| 2003 FCR4794 hfcr7345 | KIAA0553 | AB011125 | 2 |
| 2004 ncr5768 ncrc3119 | KIAA0564 protein | AB011136.1 | 2 |
| 2005 SEOA3566a ncr7086 | KIAA0611 | AB014511 | 2 |
| 2006 fcrb2592 ncrc6715 | KIAA0618 gene product (KIAA0618), mRNA | XM_018359.3 | 2 |
| 2007 FCR2307 HFCR3177 | KIAA0638 | AB014538 | 2 |
| 2008 MIOA6442a hfcr6655 | KIAA0639 | AB014539 | 2 |
| 2009 FCR6142 MIOA1299 | KIAA0648 | AB014548 | 2 |
| 2010 ncrb5837 ncrb8622 | KIAA0689 | AB014589.1 | 2 |
| 2011 ncrb3003 ncrc9232 | KIAA0697 protein | AB014597.1 | 2 |
| 2012 ncr4190 ncr3936 | KIAA0701 protein | AB014601.1 | 2 |
| 2013 SEOA4867a ncr6276 | KIAA0727 (ORF) | AB018270 | 2 |
| 2014 SEOB3331 ncrb3557 | KIAA0745 | AB018288.1 | 2 |
| 2015 miob6164 seob4641 | KIAA0761 protein | AB018304.1 | 2 |
| 2016 SEOA7672a ncrb1543 | KIAA0762 | AB018305.1 | 2 |
| 2017 SEOB0219 FCR5650 | KIAA0765 | AB018308.1 | 2 |
| 2018 hfcr2946 ncrb6815 | KIAA0770 | AB018313.1 | 2 |
| 2019 hfcr6256 ncrc4032 | KIAA0772 gene | NM_014835.1 | 2 |
| 2020 ncrb5065 ncrc4315 | KIAA0776 protein | AB018319.1 | 2 |
| 2021 SEOB3317 ncrc4074 | KIAA0824 (=PCF11p homolog) | AB020631.1 | 2 |
| 2022 MIOA8064a miob0174 | KIAA0830 | AB020637.1 | 2 |
| 2023 SEOA0982n ncr2564 | KIAA0843 | AB020650.1 | 2 |
| 2024 ncr0920 ncrc1309 | KIAA0847 protein | AB020654.1 | 2 |
| 2025 MIOA4245 seob2662 | KIAA0862=leucine-rich repeat protein SHOC-2 (SHOC-2)=AF054828 | AB020669 | 2 |
| 2026 MIOA6404a miob0072 | KIAA0903(ORF) | AB020710 | 2 |

Figure 6A - Continued

| | | | | |
|------|-----------------------|------------------------------|-------------|---|
| 2027 | SEOB1385 miob4770 | KIAA0907 | AB020714.1 | 2 |
| 2028 | hfcr8640 mioa4372a | KIAA0909 protein | BAA74932.1 | 2 |
| 2029 | ncr1640 ncrb1181 | KIAA0911 protein (KIAA0911), | NM_014944.1 | 2 |
| 2030 | seob8835 ncrc9212 | KIAA0914 gene product | NM_014883.1 | 2 |
| 2031 | SEOB3203 miob2496 | KIAA0934 protein | AB023151.1 | 2 |
| 2032 | SEOA1190A hfcr2284 | KIAA0947 | AB023164.1 | 2 |
| 2033 | FCR7381 FCR6064 | KIAA0952 | AB023169.1 | 2 |
| 2034 | miob6483 ncrb4537 | KIAA0955 protein (KIAA0955) | NM_014959.1 | 2 |
| 2035 | SEOA4422a ncr8273 | KIAA0978 | AB023195 | 2 |
| 2036 | miob3314 seoa4397a | KIAA0997 | NM_014950.1 | 2 |
| 2037 | SEOA5392 SEOA5270a | KIAA1014 | AB023231.1 | 2 |
| 2038 | SEOA2041 MIOA4713 | KIAA1033 | AB028956.1 | 2 |
| 2039 | MIOA2340a ncr6842 | KIAA1063 | AB028986.1 | 2 |
| 2040 | SEOA3181 hfcr8542 | KIAA1064 | AB028987.1 | 2 |
| 2041 | hfcr6894 fcrb2176 | KIAA1131 | AB032957.1 | 2 |
| 2042 | seob6109 hfcr0015 | KIAA1137 | AB032963.1 | 2 |
| 2043 | hfcr8982 ncrc1573 | KIAA1190 | AB033016.1 | 2 |
| 2044 | SEOB3510 SEOA9487 | KIAA1223 | AB033049.1 | 2 |
| 2045 | miob0341 ncrb7959 | KIAA1249 protein | AB033075.1 | 2 |
| 2046 | ncr1437 ncrb0915 | KIAA1287 | AB033113 | 2 |
| 2047 | hfcr5228 hfcr7449 | KIAA1310 | AB037731.1 | 2 |
| 2048 | miob3038 miob1876 | KIAA1338 protein | AB037759.1 | 2 |
| 2049 | miob6182 miob2428 | KIAA1350 protein | AB037771.1 | 2 |
| 2050 | ncr2869 ncrc5341 | KIAA1381 | AB037802 | 2 |
| 2051 | hfcr1811 ncrc4327 | KIAA1404 | AB037825.1 | 2 |
| 2052 | seob7247 miob5660 | KIAA1423 | AB037844.1 | 2 |
| 2053 | ncr4020 seob7046 | KIAA1424 protein | AB037845.1 | 2 |
| 2054 | SEOB2786 SEOB1871 | KIAA1458 | AB040891.1 | 2 |
| 2055 | hfcr3486 ncr8295 | KIAA1507(=FLJ20654) | AB040940.1 | 2 |
| 2056 | seob3940 | KIAA1518 | AB040951 | 2 |

Figure 6A - Continued

| | | | | |
|------|------------------------------------|--|-------------|---|
| 2057 | hfc5570 hfc2657 hfc4084 | KIAA1519 | AB040952.1 | 2 |
| 2058 | ncr2013 ncrc0388 | KIAA1536 | AB040969.1 | 2 |
| 2059 | ncrb7156 ncrc5100 | KIAA1577 | AB046797.1 | 2 |
| 2060 | ncr0976 ncr1053 | KIAA1610 | AB046830.1 | 2 |
| 2061 | ncrc0473 ncrc5645 | KIAA1633 protein | BAB13459.1 | 2 |
| 2062 | ncrc9022 ncrc9376 | L13 protein (RefSeq aa 8e-78) | NP_054797.1 | 2 |
| 2063 | MIOA0081a SEOA9211 | La/SS-B protein | X69804 | 2 |
| 2064 | seob5889 ncr9844 | like mouse brain protein E46(E46L) | NM_013236.1 | 2 |
| 2065 | SEOA2652 SEOA4515 | lipoma HMGIC fusion partner (LHFP) | AF098807.1 | 2 |
| 2066 | FCR4773 | LQFBS-1 (=AB011087 hypothetical protein (KIAA0515)) | AF062385 | 2 |
| 2067 | seob4577 SEOA6557a SEOA0730a | male sterility protein 2-like protein | AJ272073 | 2 |
| 2068 | seob7474 hfc6212 | maternal G10 transcript (G10) | NM_003910.1 | 2 |
| 2069 | SEOA3556a MIOA6290a | maternal-embryonic 3 (Mem3) | U47024 | 2 |
| 2070 | hfc3757 ncrc0436 | MCT-1 protein (MCT-1) | NM_014060.1 | 2 |
| 2071 | ncr9664 ncrc9751 | MDS011 (MDS011) | AF182424.1 | 2 |
| 2072 | fcrb2189 fcrb2117 | MEF3L1 MEF3 like 1 | AB049150.1 | 2 |
| 2073 | fcrb2040 ncrc0320 | melanoma antigen, family D 1 (MAGED1) | NM_006986.2 | 2 |
| 2074 | miob4057 | meningioma (disrupted in balanced translocation) 1 (MN1) | NM_002430.1 | 2 |
| 2075 | FCR1857 ncr3219 hfc5234 | microspherule protein 1 (MCRS1) | NM_006337.1 | 2 |
| 2076 | FCR6931 ncr9439 | neuroblastoma-amplified protein | AF056195 | 2 |
| 2077 | seob6032 | Neurofibromatosis 1 locus on Chromosome 17 complete sequence | AC004526.1 | 2 |
| 2078 | ncrb6040 hfc1217 ncrc5492 | NICE-5 protein (=AF116721) PRO3094 | AJ243666 | 2 |
| 2079 | HFCR3207 | non-metastatic cells 1, protein (NM23A) expressed in (NME1) | 4557796 | 2 |
| 2080 | fcrb1795 ncr3976 | non-ocogenic Rho GTPase-specific GTP exchange factor (proto-LBC) | AF127481.1 | 2 |
| 2081 | hfc5813 SEOB0156 ncrb4128 | NY-REN-55 antigen (=DKFZp564L2416) | AF155113.1 | 2 |
| 2082 | miob3594 ncr5585 | p45SKP2-like protein (=FLR1) | AF157323.1 | 2 |

Figure 6A - Continued

| | | | |
|----------------|--|-------------|---|
| 2083 MIOA7233a | p47 (=Y10769 R.norvegicus XY40 protein) (low match) | AF078856 | 2 |
| ncr9101 | | | |
| 2084 ncrb2091 | partial polr2H gene for RPB8, exons 1-5, and joined CDS (=RPB17) | AJ252079.1 | 2 |
| ncrb2215 | | | |
| 2085 SEOA1924n | PB1 | X90849 | 2 |
| miob4697 | | | |
| 2086 MIOA0813 | PBK1 protein | AJ007398.1 | 2 |
| FCR4432 | | | |
| 2087 FCR4846 | period (Drosophila) homolog (PER) (RIGUI) (=AB002107) | AF022991 | 2 |
| seoa6787 | | | |
| 2088 MIOA9127 | phosphoserine phosphatase-like (PSPHL) | NM_003832.1 | 2 |
| hfc6222 | | | |
| 2089 SEOA1611a | PIBF1 protein | Y09631 | 2 |
| SEOA2842 | | | |
| 2090 MIOA4751 | PIX1 mRNA (ORF) | AF037219 | 2 |
| ncrb1416 | | | |
| 2091 hfc9635 | PRO2160 | AF119863.1 | 2 |
| hfc5896 | | | |
| 2092 ncr1615 | PRO2275 | AF119873.1 | 2 |
| ncrb8090 | | | |
| 2093 hfc7721 | PRO2898 | AF116717.1 | 2 |
| hfc5206 | | | |
| 2094 miob3271 | PTD008 protein(=CGI-140 protein) | NM_016145.1 | 2 |
| ncrb3104 | | | |
| 2095 miob1746 | PTD009 protein (PTD009) (=HSPC172) | NM_016146.1 | 2 |
| ncr7778 | | | |
| 2096 ncr9487 | PTD016 protein (LOC51136) | NM_016125.1 | 2 |
| ncrb6686 | | | |
| 2097 ncr4882 | PTPRF interacting protein, bindingprotein 1 (liprin beta 1) (RefSeq aa 2e-35) | NP_003613.1 | 2 |
| fcrb1653 | | | |
| 2098 ncr2643 | putative Rab5-interacting protein(RefSeq aa 6e-34) | NP_061328.1 | 2 |
| ncrb6174 | | | |
| 2099 fcrb2756 | RD RNA-binding protein(RDBP), mRNA | NM_002904.3 | 2 |
| ncrc3132 | | | |
| 2100 FCR6947 | retinal short-chain dehydrogenase/reductase retSDR1 | AF061741 | 2 |
| MIOA4355a | | | |
| 2101 seob3841 | retrovirus-related leucine zipper protein p40 - human retrotransposon L1.1 | I38587 | 2 |
| ncrc9445 | | | |
| 2102 SEOA1886n | RETROVIRUS-RELATED POL POLYPROTEIN | spP11369 | 2 |
| ncr5833 | | | |
| 2103 miob4333 | REV1 protein (REV1) | NM_016316.1 | 2 |
| ncrc6375 | | | |
| 2104 seoa8002 | reversion-inducing-cysteine-rich protein with kazal motifs (RECK), mRNA /cds=(92,3007) /gb=Nm_021111 /gi=11863155 /ug=Hs.29640 /len=4414 | Hs.29640 | 2 |
| fcrb2049 | | | |
| 2105 SEOB3262 | rrlB operon | AF053965.1 | 2 |
| SEOB3270 | | | |
| 2106 SEOB0298 | SCID complementing gene 2 | D78188.1 | 2 |
| MIOA2006 | | | |
| 2107 mioa9357 | SEC14 (S. cerevisiae)-like 1 (SEC14L1), mRNA | NM_003003.1 | 2 |
| FCR0797 | | | |
| 2108 MIOA4753 | SEC63 protein | AJ011779.1 | 2 |

Figure 6A - Continued

| | | | |
|----------------------------|---|-------------|---|
| miob5073 2109 MIOA6121a | single-strand selective monofunctional uracil DNA glycosylase | AF125182 | 2 |
| FCR6581 2110 FCR6074 | small glutamine-rich tetratricopeptide repeat (TPR) containing protein | AJ223828 | 2 |
| hfc9130 2111 miob0075 | SP100-HMG nuclear autoantigen (SP100) | AF056322.1 | 2 |
| MIOA5508a 2112 seob6853 | sperm autoantigenic protein 17 (SPA17) | NM_017425.1 | 2 |
| hfc7295 2113 mioa1108m | sperm specific antigen 2 (SSFA2=M61199=cleavage signal 1 protein mRNA, (ORF) | NM_006751.1 | 2 |
| ncrc5549 2114 ncr1032 | splice variant AKAP350 | AF091711.1 | 2 |
| ncrc2957 2115 SEOB0166 | stabilin-1 (stab1 gene) (=KIAA0246) | AJ275213.1 | 2 |
| FCR1099 2116 hfc1083 | SULT1C sulfotransferase (SULT1C) | NM_006588.1 | 2 |
| hfc9041 2117 SEOB3455 | TCTEL1 (t-complex-associated-testis-expressed 1-like 1) | D50663.1 | 2 |
| miob5422 2118 ncr6578 | testis specific protein | AF146738.1 | 2 |
| fcrb1992 2119 ncr5384 | TMEM1and PWP2 | AB001523.1 | 2 |
| ncrb1213 2120 MIOA0874a | torsin B (DQ1) | AF007872 | 2 |
| FCR4650 2121 SEOA7341a | WD-40 repeat protein | AB024327.1 | 2 |
| SEOA4181a 2122 SEOB2974 | wild-type p53 activated fragment-1 (WAF1) | U03106.1 | 2 |
| ncr1595 2123 hfc6720 | WRN (WRN) | AF181897.1 | 2 |
| ncrc9502 2124 SEOA2181a | WW domain binding protein 11 | AF071186 | 2 |
| fcrb1362 2125 MIOA6156a | WW domain binding protein 5 | U92454 | 2 |
| MIOA6730a 2126 SEOA2800 | XRP2 protein (retinitis pigmentosa 2 (X-linked recessive) (RP2)) | AJ007590 | 2 |
| SEOA8542 2127 hfc9468 | annexin A6 (ANXA6) | NM_004033.1 | 2 |
| fcrb2224 2128 MIOA5054a | annexin VII (synexin)(ANX7) | NM_001156.2 | 2 |
| ncr1276 2129 SEOA0070 | ATP-specific succinyl-CoA synthetase beta subunit (SCS) | AF058953 | 2 |
| SEOA1134a 2130 FCR6324 | sodium calcium exchanger 1 (NCX1) | U83657 | 2 |
| ncr5273 2131 seoa7046 | solute carrier family 11 (proton-coupled divalent metal ion Hs.57435 transporters), member 2 (SLC11A2), mRNA /cds=(88,1773) /gb=NM_000617 /gi=10835168 /ug=Hs.57435 /len=4103 | | 2 |
| ncrc3011 2132 ncrb1085 | solute carrier family 31 (copper transporters), member 2 (SLC31A2), (=putative copper uptake protein(hCTR2)) | NM_001860.1 | 2 |

Figure 6A - Continued

| | | | |
|----------------|--|-------------|---|
| mioa7719a | | | |
| 2133 hfc2616 | 6-phosphogluconolactonase (PGLS) | NM_012088.1 | 2 |
| hfc1046 | | | |
| 2134 SEOA4608a | aldehyde oxidase gene=AOX1) | Z99567 | 2 |
| ncrc3684 | | | |
| 2135 miob4735 | alpha mannosidase II | U31520.1 | 2 |
| FCR4216 | | | |
| 2136 hfc2629 | hexokinase 2 (HK2) | NM_000189.1 | 2 |
| hfc4186 | | | |
| 2137 MIOA6541a | Na -D-glucose cotransport regulator gene | X82877 | 2 |
| MIOA8151 | | | |
| 2138 FCR1883N | oligosaccharyl transferase STT3 subunit homolog (B5) (integral membrane protein 1) | L38961 | 2 |
| FCR3594 | | | |
| 2139 hfc5397 | paraoxonase 2 (PON2) | NM_000305.1 | 2 |
| ncr5053 | | | |
| 2140 hfc1689 | phosphomannomutase | U86070.1 | 2 |
| hfc1291 | | | |
| 2141 ncr4384 | proteolipid protein 2 (colonic epithelium-enriched) (PLP2) | NM_002668.1 | 2 |
| ncrc9432 | | | |
| 2142 ncr5621 | RGL protein (RGL) | AF186779.1 | 2 |
| ncrb6332 | | | |
| 2143 SEOB1783 | UDP-N-acetyl-alpha-D-galactosamine:polypeptide N- acetylgalactosaminyltransferase 7 (GalNAc-T7) (GALNAC-T7)) | gi8393408 | 2 |
| mioa9741 | | | |
| 2144 seob6872 | protein phosphatase methylesterase-1 (PME-1) | NM_016147.1 | 2 |
| hfc7632 | | | |
| 2145 SEOA5468a | protein tyrosine phosphatase, receptor type, F (PTPRF) =Y00815 | NM_002840.1 | 2 |
| ncr8232 | | | |
| 2146 seob4696 | protein x 0004 (ORF) | AF117229 | 2 |
| ncr0989 | | | |
| 2147 hfc1768 | protein x 013 | AF164793.1 | 2 |
| hfc2915 | | | |
| 2148 hfc3496 | TPI1 gene for triosephosphate isomerase | X69723.1 | 2 |
| ncrb2857 | | | |
| 2149 MIOB2593 | adenosine deaminase, RNA-specific (ADAR), transCRipt variant ADAR-c | gi7669474 | 2 |
| MIOA0514 | | | |
| 2150 hfc3054 | adenylosuccinate lyase(ADSL) | NM_000026.1 | 2 |
| ncrc2265 | | | |
| 2151 SEOA5679a | adenylosuccinate synthetase | X66503 | 2 |
| FCR7523 | | | |
| 2152 hfc0473 | deoxyguanosine kinase (DGUOK) | NM_001929.1 | 2 |
| fcrb1727 | | | |
| 2153 SEOB2685 | deoxyribonuclease II | AF060222.1 | 2 |
| ncr2431 | | | |
| 2154 ncr0475 | inositol (myo)-1(or 4)-monophosphatase 1 (IMPA1), | NM_005536.2 | 2 |
| ncrb6846 | | | |
| 2155 SEOB2085 | nucleotide pyrophosphatase (=plasma cell membrane glycoprotein (PC-1)) | D12485.1 | 2 |
| SEOA9526 | | | |
| 2156 SEOA9792 | p53R2 gene for ribonucleotide reductase, exon 9 and complete cds | AB036532.1 | 2 |
| seob5455 | | | |
| 2157 seob6272 | phosphoribosyl pyrophosphate synthetase-associated protein 2 (PRPSAP2) | NM_002767.1 | 2 |

Figure 6A - Continued

| | | | |
|----------------|---|-------------|---|
| SEOA6878 | | | |
| 2158 seob7883 | phosphoribosylglycinamide formyltransferase (PGFT) | M32082.1 | 2 |
| seob6162 | | | |
| 2159 FCR4831 | purine nucleoside phosphorylase | X00737 | 2 |
| ncrb4946 | | | |
| 2160 FCR6753 | thymidylate synthase | D00596 | 2 |
| fcrb0655 | | | |
| 2161 hfcr2658 | 1-acylglycerol-3-phosphate O-acyltransferase | Y09565.1 | 2 |
| hfcr9511 | | | |
| 2162 SEOA2631 | adaptor protein p150 | Y08991 | 2 |
| hfcr6201 | | | |
| 2163 FCR6637 | mutant cerebroside sulfate activator protein (SAP-MU-6) (=J03015 sphingolipid activator protein 1) | M60258 | 2 |
| FCR3707 | | | |
| 2164 SEOB0288 | Niemann-Pick C disease protein (NPC1) | AF002020.1 | 2 |
| BFCS0238 | | | |
| 2165 ncrb1719 | 5-methyltetrahydrofolate-homocysteine methyltransferase (MTR) | NM_000254.1 | 2 |
| ncrc3991 | | | |
| 2166 MIOA5452a | AAPT1-like protein | AF047431.1 | 2 |
| hfcr7461 | | | |
| 2167 SEOA1606a | acetyl-coenzyme A transporter | D88152 | 2 |
| FCR4813 | | | |
| 2168 ncr3148 | ARF protein | NM_016632.1 | 2 |
| SEOA9518 | | | |
| 2169 seob5069 | attractin precursor (ATRN) gene | AF218915.1 | 2 |
| hfcr7938 | | | |
| 2170 miob2386 | biliverdin reductase A (BLVRA) | NM_000712.1 | 2 |
| FCR2779 | | | |
| 2171 ncrb5155 | choline/ethanolaminephosphotransferase (CEPT1) | NM_006090.1 | 2 |
| ncrc5176 | | | |
| 2172 FCR0824 | enoyl-CoA hydratase/3-hydroxyacyl-CoA dehydrogenase alpha-subunit of trifunctional protein, mitochondrial | D16480 | 2 |
| ncrc0865 | | | |
| 2173 SEOB0674a | galactocerebrosidase (GALC) gene | L38559 | 2 |
| MIOA5233a | | | |
| 2174 ncrb1625 | hydroxysteroid (17-beta) dehydrogenase 4 (HSD17B4) | NM_000414.1 | 2 |
| SEOA8399a | | | |
| 2175 MIOA1445 | methylmalonyl-CoA mutase (MCM) | M65131 | 2 |
| ncrc0991 | | | |
| 2176 ncrb1646 | nucleus-encoded mitochondrial aldehyde dehydrogenase 2 (ALDH2) gene | M20456.1 | 2 |
| SEOA4739a | | | |
| 2177 MIOA3598a | phospholipase C beta 4 (PLCB4) | L41349 | 2 |
| MIOA4278 | | | |
| 2178 hfcr0061 | phospholipase C-beta-3 (PLCB3) | U26425.1 | 2 |
| hfcr0157 | | | |
| 2179 FCR1463 | transacylase (DBT) | X66785 | 2 |
| hfcr0005 | | | |
| 2180 MIOA1570 | cytochrome c oxidase assembly protein COX11 (COX11) | AF044321 | 2 |
| MIOA8963 | | | |
| 2181 SEOA9874 | cytochrome c oxidase subunit VIa gene | U83702.1 | 2 |
| fcrb2012 | | | |
| 2182 SEOA0066 | mitochondrial 75 kDa iron sulphur protein | X61100 | 2 |
| FCR7430 | | | |
| 2183 MIOA2343a | mitochondrial carrier homologue 2 | AF176008.1 | 2 |

Figure 6A - Continued

| | | | |
|----------------|---|-------------|---|
| ncrc0960 | | | |
| 2184 MIOA0848a | mitochondrial carrier protein ARALAR1 | Y14494 | 2 |
| MIOA2971a | | | |
| 2185 SEOA3088a | mitochondrial cytochrome c oxidase Va subunit | M22760 | 2 |
| HFCR3133 | | | |
| 2186 MIOA3512a | mitochondrial inner membrane translocase Tim23 (TIM23) | AF030162.1 | 2 |
| FCR5152 | | | |
| 2187 FCR1994 | NAD ⁺ -specific isocitrate dehydrogenase beta subunit precursor (mitochondrial) | U49283 | 2 |
| FCR0432 | | | |
| 2188 ncrb7952 | NADH dehydrogenase (ubiquinone) Fe-Sprotein 5 (15kD) NP_004543.1 (NADH-coenzyme Q reductase); Cl-15protein (RefSeq aa 2e-62) | | 2 |
| ncrc5464 | | | |
| 2189 ncr5871 | NADH dehydrogenase (ubiquinone) flavoprotein 2 (24kD) NM_021074.1 (NDUFV2) | | 2 |
| seob4368 | | | |
| 2190 ncr1506 | NADH dehydrogenase subunit {heteroplasmic G->A transition in codon 331} | S73804 | 2 |
| ncrc2579 | | | |
| 2191 SEOA4327a | NADH dehydrogenase(ubiquinone) 1, subcomplex unknown, 2 (14.5kD, B14.5b)NDUFC2=AF087659 (ORF) | NM_004549.1 | 2 |
| fcrb0126 | | | |
| 2192 SEOA2642 | NADH dehydrogenase-ubiquinone Fe-S protein 8 23 kDa subunit (NDUFS8) | AF038406 | 2 |
| hfcr9142 | | | |
| 2193 FCR3779 | NADH:ubiquinone dehydrogenase 51 kDa subunit (NDUFV1) (mitochondrial) | AF053070 | 2 |
| hfcr6059 | | | |
| 2194 miob5003 | NADH:ubiquinone oxidoreductase B17 subunit | AF035840.1 | 2 |
| FCR0043n | | | |
| 2195 hfcr3557 | oxidase (cytochrome c) assembly 1-like (OXA1L) | NM_005015.1 | 2 |
| FCR4816 | | | |
| 2196 ncrb1409 | PNAS-105 (=NADH dehydrogenase subunit 2 (ND2) gene, mitochondrial gene encoding mitochondrial protein), | AF275801.1 | 2 |
| ncrc0209 | | | |
| 2197 MIOA8077 | QUINONE OXIDOREDUCTASE (NADPH:QUINONE REDUCTASE) (ZETA-CRYSTALLIN) | spQ08257 | 2 |
| SEOB1703 | | | |
| 2198 seob7907 | succinyl CoA:3-oxoacid CoA transferase precursor (OXCT) | U62961.1 | 2 |
| miob1125 | | | |
| 2199 miob0361 | ubiquilin 2 (UBQLN2) | NM_013444.1 | 2 |
| miob0837 | | | |
| 2200 ncr8067 | antizyme inhibitor | NM_015878.1 | 2 |
| ncrc1616 | | | |
| 2201 ncrb1373 | arginase, type II (ARG2), nuclear gene encoding mitochondrial protein, (=vesicle-associated soluble NSF attachment protein receptor (v-SNARE; homolog of S. cerevisiae VT11)) | NM_001172.2 | 2 |
| ncrc3230 | | | |
| 2202 MIOA6726a | Asparaginyl tRNA Synthetase (NARS) | D84273 | 2 |
| miob1776 | | | |
| 2203 ncr1235 | dolichyl-phosphate mannosyltransferase polypeptide 1, catalytic subunit (DPM1) | NM_003859.1 | 2 |
| fcrb1419 | | | |

Figure 6A - Continued

| | | | |
|--------------------------------|--|-------------|---|
| 2204 hfc0789 hfc5163 | Fas-activated serine/threonine kinase (FASTK) | NM_006712.1 | 2 |
| 2205 fcrb1729 fcrb1484 | golgi phosphoprotein 1 (GOLPH1) | XM_037292.1 | 2 |
| 2206 ncr0439 ncrc6468 | isopentenyl-diphosphate delta isomerase (IDI1)(= homolog of yeast IPP isomerase) | NM_004508.1 | 2 |
| 2207 seob5007 hfc7430 | isoprenylcysteine carboxyl methyltransferase (ICMT) | NM_012405.1 | 2 |
| 2208 ncr2044 fcrb1376 | leucine zipper, down-regulated in cancer 1 (LDOC1) | NM_012317.1 | 2 |
| 2209 ncr6072 ncrb1713 | leucine-rich protein | M92439.1 | 2 |
| 2210 FCR0392 FCR6585 | lysyl hydroxylase (=L06419) | M98252 | 2 |
| 2211 ncr9003 ncrb0732 | Npw38-binding protein NpwBP (LOC51729) | NM_016312.1 | 2 |
| 2212 BFCN0197 MIOA7593a | ORNITHINE DECARBOXYLASE (ODC) | spP00860 | 2 |
| 2213 ncr6811 ncrb0787 | phenylalanyl-tRNA synthetase beta-subunit; PheHB (RefSeq aa 4e-66) | NP_005678.1 | 2 |
| 2214 MIOA5310a seob6146 | proline arginine-rich end leucine-rich repeat protein (PRELP) =U29089 (ORF) | NM_002725.1 | 2 |
| 2215 miob2443 ncr5672 | Proline synthetase associated | AB018566.1 | 2 |
| 2216 FCR0578 mioa7741a | S-adenosyl homocysteine hydrolase homolog (XPV/kona) | U82761 | 2 |
| 2217 ncr0572 ncrc4257 | cytidine monophosphate kinase CMP mRNA, (=UMP-CMP kinase (LOC51727)) | AF259961.1 | 2 |
| 2218 miob3169 SEOB3451 | selenoprotein T(LOC51714) | NM_016275.1 | 2 |
| 2219 SEOA1083a miob3321 | eukaryotic translation initiation factor 2 alpha kinase PEK | AF110146 | 2 |
| 2220 SEOB1981 ncrc6862 | eukaryotic translation initiation factor 2, subunit 1 (alpha, 35kD) (EIF2S1) | gi4758255 | 2 |
| 2221 SEOA9855 ncrb0473 | eukaryotic translation initiation factor 3, subunit 1 (alpha, 35kD) (EIF3S1) | NM_003758.1 | 2 |
| 2222 MIOA1708a seob7324 | EUKARYOTIC TRANSLATION INITIATION FACTOR 5 (EIF-5) | spP55010 | 2 |
| 2223 seob4965 hfc1883 | fasciculation and elongation protein zeta 2 (zygin II) (FEZ2) | NM_005102.1 | 2 |
| 2224 SEOB1414 ncrc6008 | homolog of rat elongation factor p18 (P18) | NM_004280.1 | 2 |
| 2225 FCR0206 miob0769 | mitochondrial translational release factor 1 | AF072934 | 2 |
| 2226 ncr9469 ncr8144 | translation initiation factor eIF-2alpha | U26032.1 | 2 |
| 2227 SEOA9642 MIOA1778 | translational inhibitor protein p14.5 (UK114) = X95384.1 | NM_005836.1 | 2 |

Figure 6A - Continued

| | | | |
|----------------------------|--|-------------|---|
| 2228 MIOA0684 SEOA6356 | translin associated protein X | X95073 | 2 |
| 2229 seob6751 hfc5427 | Tu translation elongation factor, mitochondrial (TUFM) | NM_003321.1 | 2 |
| 2230 SEOA1398 SEOA3405a | unr protein (=AB020692 KIAA0885) | AF077054.1 | 2 |
| 2231 hfc9374 SEOA3016a | arginyl-tRNA synthetase (RARS) | NM_002887.1 | 2 |
| 2232 SEOB1680 hfc3940 | 5.8S ribosomal RNA | J01866.1 | 2 |
| 2233 seoa4961a | mitochondrial ribosomal protein S11 (MRPS11), nuclear gene encoding mitochondrial protein, mRNA /cds=(265,849) /gb=NM_022839 /gi=16554608 /ug=Hs.111286 /len=1136 | Hs.111286 | 2 |
| fcrb2568 | | | |
| 2234 seoa7827a | mitochondrial ribosomal protein S33 (MRPS33), transcript variant 1, nuclear gene encoding mitochondrial protein, mRNA /cds=(138,458) /gb=NM_016071 /gi=16950595 /ug=Hs.83006 /len=727 | Hs.83006 | 2 |
| fcrb1573 | | | |
| 2235 hfc8880 | PRO1181 (=ribosomal protein L29(RPL29))(= cell surface heparin binding protein HIP) | AF116627.1 | 2 |
| hfc5412 | | | |
| 2236 hfc0439 ncrc9288 | alpha-1-antitrypsin | K01396.1 | 2 |
| 2237 miob5608 | amyloid beta precursor protein-binding protein 1, 59kD (APPBP1) | NM_003905.1 | 2 |
| mioa9979 | | | |
| 2238 FCR4946 | antiseCRetory factor-1 (=U51007 26S protease subunit S5a) | U24704 | 2 |
| FCR0751 | | | |
| 2239 SEOA2219a | ATP-dependent metalloprotease YME1L (contains Alu repeat) | AJ132637.1 | 2 |
| MIOA1432 | | | |
| 2240 seob5113 fcrb2269 | matrix metalloproteinase 13 (collagenase 3) (MMP13) | NM_002427.1 | 2 |
| 2241 fcrb1271 | matrix metalloproteinase 15 (membrane-inserted) (MMP15) | NM_002428.1 | 2 |
| hfc3556 | | | |
| 2242 fcrb1529 | matrix metalloproteinase 2 (gelatinase A, 72kD gelatinase, 72kD type IV collagenase)(MMP2) | XM_048244.1 | 2 |
| fcrb1481 | | | |
| 2243 ncrc3777 | matrix metalloproteinase 9 (gelatinase B, 92kD gelatinase, 92kD type IV collagenase)(MMP9) | NM_004994.1 | 2 |
| ncrc7068 | | | |
| 2244 MIOA0826 ncrc5577 | MB1 (=D29011 proteasome subunit X) | X95586 | 2 |
| 2245 MIOA2344a | mitogen-activated kinase kinase kinase 5 (MAPKKK5) | U67156 | 2 |
| MIOA4285 | | | |
| 2246 FCR3985 FCR3916N | peptidase homolog | AF010141 | 2 |
| 2247 SEOA6176a FCR3729 | plasminogen activator inhibitor-1 | J03764 | 2 |
| 2248 SEOA1269a FCR6958 | proteasome activator hPA28 subunit beta | D45248 | 2 |
| 2249 SEOA3093a miob4653 | proteasome subunit p42 | D78275 | 2 |

Figure 6A - Continued

| | | | |
|---------------------------------|---|-------------|---|
| 2250 miob4733 ncrb1518 | protein associated with Myc (=AB020723 KIAA0916) | AF075587.1 | 2 |
| 2251 mioa7805a mioa7645a | protein associated with PRK1 (AWP1), mRNA /cds=(244,804) /gb=NM_019006 /gi=9506852 /ug=Hs.83954 /len=1613 | Hs.83954 | 2 |
| 2252 hfcr1428 fcrb2325 | protein regulator of cytokinesis 1 (PRC1) | NM_003981.1 | 2 |
| 2253 SEOA6344 miob5037 | sorting nexin 14 (SNX14) | AF121863.1 | 2 |
| 2254 MIOA3744a miob5663 | sorting nexin 4 | AF065485 | 2 |
| 2255 SEOA0078 SEOA3698a | sorting nexin 5 (SNX5) | AF121855.1 | 2 |
| 2256 SEOA0511 seob6014 | sorting nexin 7 (SNX7) | AF121857.1 | 2 |
| 2257 MIOA3440a SEOA4649a | TIMP3 tissue inhibitor of metalloproteinases-3 | X76227 | 2 |
| 2258 FCR0390 FCR1407N | BRCA1 associated protein 1 (BAP1) | AF045581 | 2 |
| 2259 ncr3276 MIOA4852a | coated vesicle membrane protein (RNP24) | NM_006815.1 | 2 |
| 2260 hfcr8615 ncr1696 | F-box protein 7 (FBX7) | NM_012179.1 | 2 |
| 2261 MIOA5447a FCR3132 | KDEL receptor(Xenopus laevis) | AL035081 | 2 |
| 2262 hfcr1411 ncr4812 | peroxisomal biogenesis factor 12 (PEX12) | NM_000286.1 | 2 |
| 2263 MIOA6388a miob3766 | peroxisomal D3,D2-enoyl-CoA isomerase (PECI) | AF153612 | 2 |
| 2264 FCR0781 FCR2361 | peroxisomal enoyl-CoA hydratase-like protein (HPXEL) | U16660 | 2 |
| 2265 SEOB1172 ncr7423 | peroxisomal farnesylated protein (PXF) | NM_002857.1 | 2 |
| 2266 SEOA0973 FCR4612 | rapamycin-binding protein (FKBP25) (=M90309) | M90820 | 2 |
| 2267 SEOA7408a ncrb0758 | signal recognition particle (SRP54) | U51920 | 2 |
| 2268 miob6118 ncr3185 | signal recognition particle 72kD (SRP72)(ORF) | NM_006947.1 | 2 |
| 2269 FCR3042 MIOA3856 | stimulator of TAR RNA binding (SRB) (=AF026291 chaperonin containing t-complex polypeptide 1, delta subunit (Cctd)) | U38846 | 2 |
| 2270 SEOA2363a miob4514 | ubiquitin conjugating enzyme, Ubch6 | X92963 | 2 |
| 2271 MIOA6739a mioa7806a | ubiquitin C-terminal hydrolase UCH37 (UCH37) | AF147717.1 | 2 |
| 2272 SEOA1282a ncrc6649 | ubiquitin hydrolyzing enzyme I (UBH1) | AF022789 | 2 |
| 2273 SEOB2803 MIOA6428a | ubiquitin-52 amino acid fusion protein | X56998.1 | 2 |
| 2274 miob0839 seoa8005 | ubiquitin-conjugating enzyme E2D 3 (homologous to yeast UBC4/5) (UBE2D3) | NM_003340.1 | 2 |
| 2275 MIOA6543a SEOB1136 | ubiquitin-conjugating enzyme E2L 6 (UBE2L6) =AF061736 ubiquitin-conjugating enzyme RIG-B | NM_004223.1 | 2 |

Figure 6A - Continued

| | | | |
|-------------------------------------|---|-------------|---|
| 2276 MIOA4694 SEOA4688a | ubiquitin-conjugating enzyme UbcH2 | Z29331 | 2 |
| 2277 SEOA9873 | ubiquitously-expressed transCRipt (UXT)(ORF)= AF092737 | NM_004182.1 | 2 |
| 2278 SEOA5157a MIOA2107 | WDR1 protein | AF020260 | 2 |
| 2279 FCR4885 | bithoraxoid-like protein (BLP)(= HSPC162 protein (HSPC162)) | AF165516.1 | 2 |
| 2280 ncrb7586 fcrb1621 | glioma-amplified sequence-41 (GAS41) | NM_006530.1 | 2 |
| 2281 miob0202 hfc6508 | MAT-1 oncogene (HUMMAT1H) (=PEA15) | NM_013287.1 | 2 |
| 2282 SEOA0404 ncr8759 | methyl-CpG binding protein 1 (MBD1) | AF120982.1 | 2 |
| 2283 SEOA8867 hfc1897 | methyl-CpG binding protein MBD4 | AAC68879.1 | 2 |
| 2284 MIOA8341 | 33 kDa transcriptional co-activator (CRSP33) (=hMed7) | NM_004270.1 | 2 |
| 2285 ncr4946 seob3726 | ataxia telangiectasia and Rad3 related (ATR) | NM_001184.1 | 2 |
| 2286 FCR2196 | B cell RAG associated protein (BRAG) (=AB011170 hypothetical protein (KIAA0598)) | AF026477 | 2 |
| 2287 MIOA8774 | B-cell CLL/lymphoma 6 (zinc finger protein 51) (BCL6) | NM_001706.1 | 2 |
| 2288 ncr2421 | bromodomain adjacent to zinc finger domain, 2A (RefSeq NP_038477.1 aa 5e-62) | | 2 |
| 2289 MIOA3558a ncr7376 | CAAT-box DNA binding protein subunit B (NF-YB) | X59710 | 2 |
| 2290 hfc5009 hfc9579 | CAG-isl 7 | U16738.1 | 2 |
| 2291 miob4864 | CBF1 interacting corepressor CIR (=U03644.1 recepin) | AF098297.1 | 2 |
| 2292 FCR6482 fcrb2429 | CCR4-associated factor 1 (POP2) | AF053318 | 2 |
| 2293 FCR2088 FCR0750 | cellular oncogene c-fos (=K00650) | V01512 | 2 |
| 2294 SEOA0235a | chromatin-specific transCRiption elongation factor FACT | AF152961.1 | 2 |
| 2295 hfc3469 hfc6300 | class I histone deacetylase (HDAC8) | AF230097.1 | 2 |
| 2296 SEOB0253 ncrb5540 | ets variant gene 5 (ets-related molecule) (ETV5) | NM_004454.1 | 2 |
| 2297 MIOA1417 MIOA2385a | GC box binding protein | D31716 | 2 |
| 2298 hfc2548 | hepatocellular carcinoma novel gene-3 protein (LOC51339) | NM_016651.2 | 2 |
| 2299 hfc6495 hfc4439 fcrb2458 | HMG-2 | X62534.1 | 2 |
| 2300 miob6130 ncrc1344 | Id2 protein (Id-2) | M69293.1 | 2 |

Figure 6A - Continued

| | | | |
|------------------------------|---|-------------|---|
| 2301 MIOA8360 hfc7439 | interferon regulatory factor 2 (IRF2) | NM_002199.2 | 2 |
| 2302 hfc3634 ncrc4071 | jun D proto-oncogene (JUND) | NM_005354.1 | 2 |
| 2303 MIOA2791a SEOB0655a | kaiso (ZNF-kaiso) | gi5803228 | 2 |
| 2304 SEOA6365 SEOA1647a | KRAB domain zinc finger protein (ZFP37) | AF022158 | 2 |
| 2305 hfc5969 | mel transforming oncogene (derived from cell line NK14)- RAB8 homolog (MEL), mRNA | NM_005370.2 | 2 |
| ncr1735 | | | |
| 2306 miob1778 | microphthalmia-associated transcription factor (MITF) (=DKFZp586B2217) | NM_000248.1 | 2 |
| ncrb5439 | | | |
| 2307 SEOA3417a FCR5192 | NF-kappa-B transCRiption factor p65 subunit | L19067 | 2 |
| 2308 SEOA4436a ncr7544 | nuclear factor NF-IL6 | X52560.1 | 2 |
| 2309 hfc5956 | nuclear factor of activated T-cells, cytoplasmic 4 (NFATC4) mRNA | NM_004554.1 | 2 |
| ncrc4907 | | | |
| 2310 ncr1204 | promyelocytic leukemia zinc finger protein (PLZF) gene | AF060568 | 2 |
| ncrc5443 | | | |
| 2311 MIOA4770 SEOA4870a | putative transCRiption factor, partial | AJ009770 | 2 |
| 2312 SEOA8952 ncrb2874 | RE1-silencing transCRiption factor (REST) | NM_005612.1 | 2 |
| 2313 ncr5923 | retinoblastoma-binding protein 1; RBP1 (RefSeq aa 4e- 48) | NP_002883.1 | 2 |
| ncrb0455 | | | |
| 2314 seob7200 miob1252 | retinoblastoma-binding protein 2 (RBBP2) | NM_005056.1 | 2 |
| 2315 SEOB2011 FCR3290 | SEF2-1A protein (SEF2-1A) | M74718.1 | 2 |
| 2316 ncrb4719 ncrb7127 | seven in absentia (Drosophila) homolog 1 (SIAH1) | NM_003031.1 | 2 |
| 2317 seob7746 seob5958 | small zinc finger-like protein (DDP2) | AF150087.1 | 2 |
| 2318 hfc0011 hfc4717 | target of myb 1 (TOM1) | AJ006973.1 | 2 |
| 2319 ncr0377 | TG-interacting factor (TALE family homeobox) (TGIF) (ORF) | NM_003244.1 | 2 |
| ncrb1317 | | | |
| 2320 SEOA2300a | thyroid hormone receptor-associated protein complex component TRAP150 | AF117756.1 | 2 |
| ncrc3256 | | | |
| 2321 ncr0403 ncrb1303 | thyroid receptor interactor trip15 | AF100762.1 | 2 |
| 2322 SEOA1623a seoa4102an | transCRiption elongation factor A (SII)-like 1 | M99701 | 2 |
| 2323 FCR2006 fcrb1567 | transCRiption factor ETR101 | M62831 | 2 |
| 2324 hfc3961 hfc2041 | transcription factor IIB | AF093680 | 2 |
| 2325 FCR6091 fcr1004n | transCRiption factor TFIIID subunit TAFII28 | X83928 | 2 |
| 2326 SEOA2611 | transCRiption factor WSTF (=AF084479 Williams-Beuren syndrome deletion transCRipt 9 (WBSR9)) | AF072810 | 2 |

Figure 6A - Continued

| | | | |
|----------------|--|-------------|---|
| ncr7753 | | | |
| 2327 hfc7066 | zinc finger protein (MAZ) (=KNSL4, MAZ) | M94046.1 | 2 |
| FCR3843 | | | |
| 2328 MIOA4484a | zinc finger protein (ZFD25) (62% aa) | AB027251 | 2 |
| ncr2443 | | | |
| 2329 ncrb1663 | zinc finger protein 137 (ZNF137) | NM_003438.1 | 2 |
| miob4845 | | | |
| 2330 FCR6331 | zinc finger protein 261 (ZNF261) (=AB002383 KIAA0385) gi4827066 | | 2 |
| hfc6290 | | | |
| 2331 seoa4969a | zinc finger protein 264 (ZNF264), mRNA /cds=(363,2246) Hs.117077 /gb=NM_003417 /gi=4585642 /ug=Hs.117077 /len=6530 | | 2 |
| mioa0562a | | | |
| 2332 SEOA9042 | zinc finger protein ZNF140-like protein (LOC55828) | NM_018443.1 | 2 |
| seob4271 | | | |
| 2333 FCR5259 | zinc-finger DNA-binding protein | D45132 | 2 |
| SEOA8595 | | | |
| 2334 MIOA4738 | mago-nashi (Drosophila) homolog, proliferation-associated (MAGOH) and translated products=AF035940 (ORF)=MAGOH | NM_002370.1 | 2 |
| ncr0035 | | | |
| 2335 SEOB0303 | cleavage and polyadenylation specificity factor 73 kDa subunit | AF171877.1 | 2 |
| FCR2860 | | | |
| 2336 seob6781 | DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 1 (DDX1) | NM_004939.1 | 2 |
| hfc5184 | | | |
| 2337 MIOA8912 | double-stranded RNA-binding nuclear protein NFAR-1 | AF167569.1 | 2 |
| ncrc6031 | | | |
| 2338 MIOA9134 | endonuclease/reverse transCRiptase [Mus musculus] | AAC53542.1 | 2 |
| MIOA4630a | | | |
| 2339 fcrb1053 | M5-14 protein (LOC51300) | NM_016589.1 | 2 |
| ncrc2696 | | | |
| 2340 seob5773 | nuclear matrix protein NMP200 related to splicing factor PRP19 (NMP200) | NM_014502.1 | 2 |
| seob3645 | | | |
| 2341 SEOB3303 | Nuclear protein SA-2 (=STAG2) | Z75331.1 | 2 |
| miob4147 | | | |
| 2342 SEOA0036 | nucleic acid binding protein sub2.3 | Z29505 | 2 |
| SOA0060 | | | |
| 2343 miob4462 | polyA site DNA | Z24724.1 | 2 |
| miob1366 | | | |
| 2344 seob7250 | RNA binding motif protein 6 (RBM6) | NM_005777.1 | 2 |
| SEOA5110a | | | |
| 2345 SEOA0111 | RNA binding motif protein 7 | AF156098.1 | 2 |
| SEOA8516 | | | |
| 2346 SEOB2728 | RNA binding motif protein 8 (RBM8) (=AF161463.1 HSPC114) | gi4826971 | 2 |
| SEOA1439a | | | |
| 2347 SEOA9916 | RNA binding protein 15.5 kD | AF155235 | 2 |
| ncr3646 | | | |
| 2348 SEOB0586 | RNA helicase II/Gu protein | AF261917.1 | 2 |
| seob5115 | | | |
| 2349 miob3823 | RNA-directed DNA polymerase (EC | pirS21976 | 2 |
| miob0042 | | | |
| 2350 seob7237 | small nuclear ribonucleoprotein polypeptide B" (SNRPB2) | NM_003092.1 | 2 |
| MIOA6596a | | | |

Figure 6A - Continued

| | | | | |
|------|---------------------------|--|-------------|---|
| 2351 | SEOB2228 ncrb8811 | small nuclear RNA (U2) | L37793.1 | 2 |
| 2352 | SEOA2814 FCR2047 | SNAP-23 | U55936 | 2 |
| 2353 | miob6598 hfc1051 | splicing factor 3a, subunit 3, 60kD (SF3A3) | NM_006802.1 | 2 |
| 2354 | hfc7452 hfc6886 | splicing factor arginine/serine-rich 7 (SFRS7) gene | L41887.1 | 2 |
| 2355 | hfc6770 ncr4412 | splicing factor similar to dnaJ (SPF31) | NM_014280.1 | 2 |
| 2356 | hfc7395 ncrc6568 | splicing factor SRp30c gene | U87279.1 | 2 |
| 2357 | hfc6110 ncr2055 | splicing factor, arginine/serine-rich 7 (35kD) (SFRS7), (=9G8 splicing factor) | NM_006276.2 | 2 |
| 2358 | ncr7915 ncrb2504 | U2 small nuclear ribonucleoprotein auxiliary factor (U2AF1RS1) | NM_005083.1 | 2 |
| 2359 | SEOA8822 ncrc2211 | U4/U6-associated RNA splicing factor (HPRP3P) | NM_004698.1 | 2 |
| 2360 | HFCR3134 ncrb3947 | U5 snRNP-associated 102 kDa protein | AF221842.1 | 2 |
| 2361 | SEOA6744 MIOA7072a | mitochondrial 12S and 16S rRNA | J01438 | 2 |
| 2362 | MIOA1655a MIOB1571 | pre-mRNA cleavage factor I subunit | AJ001810 | 2 |
| 2363 | SEOB0265 miob2987 | pre-mRNA cleavage factor Im (68kD) (CFIM) (=X67336) | 5901927 | 2 |
| 2364 | MIOA0905a BFCS0223 | pre-mRNA splicing factor SF2p32 | M69039 | 2 |
| 2365 | FCR6386 ncrb4127 | RNA polymerase I 40kD subunit | AF047441 | 2 |
| 2366 | FCR5758 HFCR2376 | RNA polymerase II transCRiption factor SIII p18 subunit | L42856 | 2 |
| 2367 | ncr7967 ncrb3381 | RPB5-mediating protein (RefSeq aa 3e-33) | NP_003787.1 | 2 |
| 2368 | FCR5212 FCR7301 | MN/CA9 | Z54349 | 2 |
| 2369 | SEOA4040a SEOA2653 | class II invariant gamma-chain | X03340 | 2 |
| 2370 | ncr5789 ncrc3439 | COT kinase proto-oncogene | AF133211.1 | 2 |
| 2371 | ncr3045 hfc9515 | EBNA-2 co-activator (100kD) (p100) | NM_014390.1 | 2 |
| 2372 | MIOA7624a MIOA0309 | immunoglobulin light chain (lambda) (=D80009 KIAA0187) | D87018 | 2 |
| 2373 | seob7207 ncr1944 | immunoglobulin heavy-chain | AB019441.1 | 2 |
| 2374 | SEOA8366a ncrb3320 | Jk-recombination signal binding protein (RBPJK) (=D14041 H-2K binding factor-2) | L07872 | 2 |
| 2375 | seob5688 mioa7649a | male-specific lethal-3 (Drosophila)-like 1 (MSL3L1) (=DKFZp586J1822) | NM_006800.1 | 2 |
| 2376 | miob6631 | MHC class I HLA-B51 haplotype A2, B27/B51,Cw2/Cw3 | M28205.1 | 2 |

Figure 6A - Continued

| | | | |
|----------------|---|-------------|---|
| MIOA4978a | | | |
| 2377 ncr3975 | MHC class I HLA-Bw62 | M28204.1 | 2 |
| SEOA1448a | | | |
| 2378 miob0154 | PC326 protein (PC326) | NM_018442.1 | 2 |
| ncrc5384 | | | |
| 2379 MIOA0580a | recombination activating protein (RAG2) | M94633 | 2 |
| ncrc4389 | | | |
| 2380 SEOB0192 | strain ECOR 52 rII operon | AF053964.1 | 2 |
| SEOA2337a | | | |
| 2381 hfc7717 | brain and reproductive organ-expressed (TNFRSF1A modulator) (BRE) | NM_004899.1 | 2 |
| ncrc4191 | | | |
| 2382 hfc72863 | ALEX3 protein (ALEX3) | NM_016607.1 | 2 |
| ncrb3454 | | | |
| 2383 hfc72696 | antigen identified by monoclonal antibody Ki-67 (MKI67) | NM_002417.1 | 2 |
| fcrb0068 | | | |
| 2384 seob8106 | Centrosome- and Golgi-localized PKN-associated protein (CG-NAP) (=AJ131693.1 AKAP450 protein) | AB019691.1 | 2 |
| SEOB1847 | | | |
| 2385 MIOA7231a | DnaJ-like protein (Hsj2) | AF055664 | 2 |
| MIOB2219 | | | |
| 2386 miob4157 | hepatocellular carcinoma-associated antigen 58 (LOC51230) | NM_016436.1 | 2 |
| ncr9629 | | | |
| 2387 FCR5415 | MAGE tumor antigen D1 (MAGE-D1) | AF124440.1 | 2 |
| SEOA5477a | | | |
| 2388 ncr7805 | modulator recognition factor 2 (MRF-2) | M73837.1 | 2 |
| ncr5552 | | | |
| 2389 seob5478 | nuclear protein stromal antigen 1 (SA-1) | NM_005862.1 | 2 |
| MIOA9141 | | | |
| 2390 ncr0634 | paraneoplastic antigen MA1 (PNMA1) | NM_006029.1 | 2 |
| ncr1225 | | | |
| 2391 ncr8628 | partial CHI3L1 gene for cartilage glycoprotein-39 | AJ251847.1 | 2 |
| ncr5532 | | | |
| 2392 ncr8711 | stress protein Herp, = KIAA0025 | AB034989 | 2 |
| SEOB1853 | | | |
| 2393 ncrc7123 | sulfotransferase family, cytosolic, 1A, phenol-preferring, member 3 (SULT1A3) | NM_003166.1 | 2 |
| ncrc4970 | | | |
| 2394 ncr3588 | T-cell activation protein (PGR1) gene | AF116272.1 | 2 |
| miob6137 | | | |
| 2395 SEOB0569 | T-cluster binding protein | D64015.1 | 2 |
| ncrc6105 | | | |
| 2396 seob5213 | Alg5, <i>S. cerevisiae</i> , homolog of (ALG5) (=AF161498.1 HSPC149) | NM_013338.1 | 2 |
| seob5972 | | | |
| 2397 ncrb0782 | B-factor, properdin (RefSeq aa 5e-30) | NP_001701.1 | 2 |
| ncrc1519 | | | |
| 2398 FCR3379 | cytovillin 2 (VIL2) (=X51521 ezrin) | J05021 | 2 |
| miob4764 | | | |
| 2399 MIOB2824 | lysosomal sialoglycoprotein | D12676.1 | 2 |
| MIOA1413 | | | |
| 2400 FCR2103 | beta-subunit signal transducing proteins GS/GI (clone 24596) | AF070597 | 2 |
| ncrb0129 | | | |
| 2401 FCR2303 | epithelial membrane protein-3 (=U52101 YMP; U87947 hematopoietic neural membrane protein (HNMP-1) | X94771 | 2 |

Figure 6A - Continued

| | | | |
|----------------|--|-------------|---|
| fcrb2759 | | | |
| 2402 SEOA6637a | globin alpha | M69023 | 2 |
| FCR5619 | | | |
| 2403 SEOA0379 | integral membrane serine protease Seprase | U76833 | 2 |
| BFC50081 | | | |
| 2404 SEOB1916 | LIM domain only 4 (LMO4) | gi7108354 | 2 |
| SEOA4620a | | | |
| 2405 FCR3006 | multispanning membrane protein | U94831 | 2 |
| FCR2030 | | | |
| 2406 ncr4413 | PLASMA-CELL MEMBRANE GLYCOPROTEIN PC-1 [INCLUDES: ALKALINE PHOSPHODIESTERASE I; NUCLEOTIDE PYROPHOSPHATASE (NPPASE)] | P22413 | 2 |
| ncrc7096 | | | |
| 2407 seob4197 | pM5 protein (PM5) | NM_014287.1 | 2 |
| ncrc2067 | | | |
| 2408 seoa7748a | progesterone receptor membrane component 2 (PGRMC2), mRNA /cds=(6,677) /gb=NM_006320 /gi=5453915 /ug=Hs.9071 /len=1874 | Hs.9071 | 2 |
| mioa7699a | | | |
| 2409 seob6678 | secretory carrier membrane protein 1 (SCAMP1) | NM_004866.1 | 2 |
| ncrb6452 | | | |
| 2410 ncr0046 | Translocase of outer mitochondrial membrane 70 (yeast) homolog A (TOMM70A)(= KIAA0719) | NM_014820.1 | 2 |
| ncrc5072 | | | |
| 2411 SEOB1103 | transmembrane glycoprotein (CD44 gene) | AJ251595.1 | 2 |
| seob7117 | | | |
| 2412 ncrb0164 | transmembrane protein Jagged 1 (HJ1) | AF028593.1 | 2 |
| ncrc5395 | | | |
| 2413 ncr7852 | mutL homolog 1 (RefSeq aa 4e-76) | NP_000240.1 | 2 |
| ncrc6159 | | | |
| 2414 SEOB2697 | DNA/RNA-binding protein | U20272.1 | 2 |
| ncrb6575 | | | |
| 2415 SEOB0690a | RAD50 | Z75311 | 2 |
| ncrc1811 | | | |
| 2416 hfc4640 | adenylate kinase 1 (hAK1) | AB021871.1 | 2 |
| hfc5083 | | | |
| 2417 MIOA7401a | adenylate kinase 3 alpha (AK3) | AB021870 | 2 |
| ncrb6151 | | | |
| 2418 MIOA1296 | C1-inhibitor | X54486 | 2 |
| MIOA2287a | | | |
| 2419 ncrb1384 | carbonyl reductase 1 (CBR1) | NM_001757.1 | 2 |
| FCR5571 | | | |
| 2420 miob4221 | coagulation factor V (proaccelerin, labile factor) (F5) | NM_000130.1 | 2 |
| seob5316 | | | |
| 2421 hfc9627 | glutathione peroxidase 4 (phospholipid hydroperoxidase) (GPX4) | NM_002085.1 | 2 |
| fc7012n | | | |
| 2422 mioa7717a | glutathione-S-transferase like; glutathione transferase omega (GSTTLp28), mRNA /cds=(9,734) /gb=NM_004832 /gi=4758483 /ug=Hs.11465 /len=793 | Hs.11465 | 2 |
| cr0027 | | | |
| 2423 FCR5316 | gp25L2 protein | X90872 | 2 |
| hfc2690 | | | |
| 2424 miob0977 | metallothionein isoform 1R | X97261.1 | 2 |
| ncrb8242 | | | |
| 2425 SEOA0575 | MITOCHONDRIAL THIOREDOXIN-DEPENDENT PEROXIDE REDUCTASE PRECURSOR (ANTIOXIDANT PROTEIN 1) (AOP-1) (MER5 PROTEIN HOMOLOG) (HBC189) | spP30048 | 2 |

Figure 6A - Continued

| | | | |
|----------------|---|-------------|---|
| SEOB0060 | | | |
| 2426 seoa6806 | peroxiredoxin 5 (PRDX5), mRNA /cds=(36,680) /gb=NM_012094 /gi=6912237 /ug=Hs.31731 /len=805 | Hs.31731 | 2 |
| ncrc7040 | | | |
| 2427 ncr8720 | thioredoxin-like, 32kD (TXNL) | NM_004786.1 | 2 |
| FCR1367 | | | |
| 2428 miob5122 | truncated SON protein (Son) (=AF161430.1 HSPC312) | AF193607.1 | 2 |
| seob7744 | | | |
| 2429 FCR1496 | von Willebrand factor (=X04385) | M10321 | 2 |
| miob3846 | | | |
| 2430 hfcr1804 | Arfaptin 2 (partner of RAC1) (POR1) | NM_012402.1 | 2 |
| hfcr7679 | | | |
| 2431 SEOA0064 | Arf-like 2 binding protein BART1 | AF126062.1 | 2 |
| ncrb8419 | | | |
| 2432 FCR0343 | clathrin heavy chain (=D21260 human hypothetical protein (KIAA0034)) | J03583 | 2 |
| ncrb4795 | | | |
| 2433 hfcr6096 | sodium-dependent multivitamin transporter (SMVT) gene, partial cds | AF116241.1 | 2 |
| ncrc1516 | | | |
| 2434 FCR5470 | synaptic glycoprotein SC2 spliced variant | AF038958 | 2 |
| ncr7739 | | | |
| 2435 SEOA8669 | synaptobrevin-like 1 (SYBL1) | gi5032136 | 2 |
| seob6710 | | | |
| 2436 SEOB0523 | ch-TOG protein (=D43948.1 KIAA0097) | X92474.1 | 2 |
| hfcr8373 | | | |
| 2437 ncr0424 | centrin 3; <i>Saccharomyces cerevisiae</i> CDC31 homolog; EF-hand protein superfamily member (RefSeq aa 3e-65) | NP_004356.1 | 2 |
| ncrc2085 | | | |
| 2438 MIOA4077a | CGI-09 protein | AF132943.1 | 2 |
| fcrb1260 | | | |
| 2439 MIOA2013 | CGI-104 protein (=AF078862.1 PTD009) | AF151862.1 | 2 |
| hfcr7077 | | | |
| 2440 SEOA6226 | CGI-107 protein | AF151865.1 | 2 |
| miob1762 | | | |
| 2441 ncr0252 | CGI-108 protein (LOC51013) | NM_016046.1 | 2 |
| ncr2779 | | | |
| 2442 MIOB2714 | CGI-132 protein | AF151890.1 | 2 |
| ncr5063 | | | |
| 2443 SEOA1392 | CGI-141 protein | AF151899.1 | 2 |
| ncr3407 | | | |
| 2444 MIOA2413a | CGI-30 protein (=Z49907 <i>c.elegans</i> diphthine synthase) | AF132964.1 | 2 |
| ncrb1800 | | | |
| 2445 seob6628 | CGI-60 protein (LOC51626), | NM_016008.1 | 2 |
| miob3198 | | | |
| 2446 seob7890 | CGI-61 protein | AF151819.1 | 2 |
| seob8243 | | | |
| 2447 ncrb7561 | CGI-72 protein (RefSeq aa 2e-90) | NP_057102.1 | 2 |
| ncrc9815 | | | |
| 2448 ncr1780 | CGI-75 protein (RefSeq aa 4e-57) | NP_057104.1 | 2 |
| ncrc3211 | | | |
| 2449 SEOA7157a | CGI-81 protein | AF151839.1 | 2 |
| miob2882 | | | |
| 2450 SEOA3847 | CGI-82 protein | AF151840.1 | 2 |
| seob4715 | | | |
| 2451 seob4126 | CGI-83 protein (LOC51110) | NM_016027.1 | 2 |

Figure 6A - Continued

| | | | |
|----------------|---|-------------|---|
| hfc1699 | | | |
| 2452 miob4838 | CGI-97 protein | AF151855.1 | 2 |
| MIOB2573 | | | |
| 2453 SEOA2859 | cytoplasmic dynein intermediate chain 2 (Dncic2) | AF063231 | 2 |
| SEOA6512a | | | |
| 2454 hfc0918 | cytoplasmic intermediate filament protein | AJ004935.1 | 2 |
| hfc3886 | | | |
| 2455 SEOB3464 | Dynein intermediate chain 2, cytosolic (dh ic-2) (cytoplasmic dynein intermediate chain 2) | spO88487 | 2 |
| SEOA6512a | | | |
| 2456 seob6257 | golgin-like protein(GLP) gene (=U61167.1 SH3 domain- containing protein SH3P18) | AF266285.1 | 2 |
| hfc8929 | | | |
| 2457 fcrb1327 | kinesin family member 4 (KIF4), mRNA | NM_012310.2 | 2 |
| fcr3108 | | | |
| 2458 hfc8804 | microtubule-associated protein 1a (MAP1A) | U38292.1 | 2 |
| ncrb4899 | | | |
| 2459 MIOA5468a | MICROTUBULE-ASSOCIATED PROTEIN 1B [CONTAINS: MAP1 LIGHT CHAIN LC1] | P46821 | 2 |
| FCR2190 | | | |
| 2460 hfc5244 | NC2 alpha | X96506.1 | 2 |
| hfc0515 | | | |
| 2461 SEOA7935a | Norrie disease protein (NDP) | X65882 | 2 |
| MIOA8153 | | | |
| 2462 hfc7437 | collagen-binding protein 2 (collagen 2) (CBP2) | NM_001235.1 | 2 |
| hfc0593 | | | |
| 2463 SEOA4400a | entactin | X14194 | 2 |
| SEOA8552 | | | |
| 2464 seob3869 | epsilon-sarcoglycan | AJ000534.1 | 2 |
| hfc8506 | | | |
| 2465 SEOA5396 | hematopoietic proteoglycan core protein (=M90058 serglycin) | X17042 | 2 |
| ncrb4485 | | | |
| 2466 MIOA3572a | osteonidogen (=AJ223500 nidogen-2) | D86425 | 2 |
| SEOA6243 | | | |
| 2467 hfc6245 | STIP1 homology and U-Box containing protein 1 (STUB1) | NM_005861.1 | 2 |
| hfc0908 | | | |
| 2468 SEOA5366 | tenascin | X56160 | 2 |
| SEOA5093a | | | |
| 2469 seob6133 | lymphocyte cytosolic protein 1 (L-plastin) (LCP1) | NM_002298.2 | 2 |
| seob5439 | | | |
| 2470 MIOA8740 | actin binding protein MAYVEN | AF059569.1 | 2 |
| SEOA0184a | | | |
| 2471 MIOA2072 | actin depolymerizing factor | S65738 | 2 |
| MIOA2339a | | | |
| 2472 MIOA1494 | adapter protein CMS | AF146277.1 | 2 |
| SEOA6869 | | | |
| 2473 BFCS0384 | alpha-actinin-2 associated LIM protein | AF002282 | 2 |
| mioa7897 | | | |
| 2474 MIOA5202a | CRystallin, zeta (quinone reductase)-like 1 (CRYZL1) | NM_005111.1 | 2 |
| miob2289n | | | |
| 2475 FCR4460 | cytoplasmic dynein heavy chain (=AB002323 Human KIAA0325;L08505) | D13896 | 2 |
| miob0994 | | | |
| 2476 MIOA3672a | gamma adducin | Y14379.1 | 2 |
| miob2422 | | | |
| 2477 MIOA1287 | keratin 18 (K18) | M24842 | 2 |
| SEOA9502 | | | |

Figure 6A - Continued

| | | | |
|-----------------------------|---|-------------|---|
| 2478 ncr0267 mioa9910 | plakophilin 2b (ORF) | X97675 | 2 |
| 2479 FCR6928 FCR6963 | profilin | J03191 | 2 |
| 2480 ncr3233 ncr6970 | utrophin (homologous to dystrophin) (UTRN) | NM_007124.1 | 2 |
| 2481 seoa6829 | actin related protein 2/3 complex, subunit 3 (21 kD) (ARPC3), mRNA /cds=(25,561) /gb=NM_005719 /gi=5031596 /ug=Hs.6895 /len=840 | Hs.6895 | 2 |
| fcrb2166 | | | |
| 2482 ncr2723 SEOB0856a | muscle-specific protein (LOC51778) | NM_016599.1 | 2 |
| 2483 SEOB1001 SEOB3377 | myosin X (MYO10) | AF247457.1 | 2 |
| 2484 fcrb2749 | myosin, heavy polypeptide 3, skeletal muscle, embryonic (MYH3), mRNA | XM_052579.2 | 2 |
| fcrb2175 | | | |
| 2485 SEOA5898 MIOA6108a | myotubularin related protein 6 | AF072928 | 2 |
| 2486 ncr3404 ncrc2227 | integral inner nuclear | NM_014319.2 | 2 |
| 2487 fcrb2162 fcrb1430 | lamin A/C (LMNA) | XM_044160.1 | 2 |
| 2488 SEOA5235a mioa5651n | nucleoporin p54 | U63840 | 2 |
| 2489 SEOA1097a FCR0817 | plectin (PLEC1) | U63610 | 2 |
| 2490 hfcr6486 hfcr8161 | aryl hydrocarbon receptor-interacting protein (AIP) | NM_003977.1 | 2 |
| 2491 MIOA6418a hfcr6533 | Toll-like receptor 2 (TLR2) mRNA, (ORF) | U88878 | 2 |
| 2492 SEOA7129a ncrb3220 | Toll-like receptor 4 (TLR4) | U88880 | 2 |
| 2493 SEOA3375a MIOA2252a | B219/OB receptor isoform HuB219.1 | U52912 | 2 |
| 2494 seob6683 | bone morphogenetic protein receptor, type IA (BMPRI1A) | NM_004329.1 | 2 |
| fcrb2017 | | | |
| 2495 MIOA5533a MIOA5197a | Ets transCRiption factor (NERF-2) | U43188 | 2 |
| 2496 SEOA2892a SEOA9950 | Fc-gamma-receptor IIIB (FCGR3B) | M90746 | 2 |
| 2497 SEOB3009 ncrc6024 | G protein gamma 5 subunit | AF038955.1 | 2 |
| 2498 SEOB1617 mioa9466 | G protein-coupled receptor 69A (GPR69A) (=p40) | NM_006055.1 | 2 |
| 2499 MIOA6476a ncrb7099 | histamine N-methyltransferase(HNMT) | U08092 | 2 |
| 2500 miob6771 SEOB3106 | h-ryk | X69970.1 | 2 |
| 2501 ncr0194 ncrb7034 | interferon gamma receptor 1 (IFNGR1) (ORF) | NM_000416.1 | 2 |
| 2502 FCR6623 | interferon gamma receptor accessory factor-1 (AF-1) (clone pJS3) | U05877 | 2 |
| FCR3690 | | | |
| 2503 ncr8686 ncrc4704 | interleukin 16 (IL16) | AF077011 | 2 |
| 2504 ncrb0581 ncrc9412 | mannose receptor, C type 1 (MRC1) | NM_002438.1 | 2 |

Figure 6A - Continued

| | | | |
|-----------------------------|---|-------------|---|
| 2505 seob7409 FCR4981 | nuclear receptor coactivator 3 (NCOA3) | NM_006534.1 | 2 |
| 2506 ncr2508 ncr8224 | nuclear receptor co-repressor 1 (NCOR1) | NM_006311.1 | 2 |
| 2507 ncrb2938 | nuclear receptor subfamily 4, group A, member 2 (NR4A2) | NM_006186.1 | 2 |
| ncrc2485 | | | |
| 2508 hfcr2030 | nuclear RNA helicase, DECD variant of DEAD box family (DDXL) | NM_005804.1 | 2 |
| hfcr3753 | | | |
| 2509 seob5240 hfcr6118 | PAR3 (PAR3) | AF252293.1 | 2 |
| 2510 hfcr0484 | peripheral benzodiazepine receptor-associated protein 1 (PRAX-1) mRNA | NM_004758.1 | 2 |
| CR0724 | | | |
| 2511 FCR3287 | platelet-derived growth factor A chain (PDGFA) (=X06374) | M83575 | 2 |
| ncr9016 | | | |
| 2512 ncr7097 ncrb2398 | PMEPA1 protein (PMEPA1) | NM_020182.1 | 2 |
| 2513 FCR4308 FCR4490 | retinoic acid-binding protein II (CRABP-II) (=M68867) | M97814 | 2 |
| 2514 seob7529 mioa9873 | RYK tyrosine kinase | S59184.1 | 2 |
| 2515 FCR6340 | TRIP6 (thyroid receptor interacting protein) (=AF025437 Opa-interacting protein OIP1; AF000974 zyxin related protein ZRP-1) | AJ001902 | 2 |
| hfcr1265 | | | |
| 2516 hfcr9547 | v-jun avian sarcoma virus 17 oncogene homolog (JUN), (=c-jun proto oncogene (JUN) | NM_002228.2 | 2 |
| ncr1559 | | | |
| 2517 hfcr8429 | xenotropic and polytropic murine leukemia virus receptor (X3) | AF089744.1 | 2 |
| hfcr9184 | | | |
| 2518 SEOA5520a SEOA0133 | 14-3-3 protein, a protein kinase regulator | X56468 | 2 |
| 2519 miob4401 | bifunctional ATP sulfurylase/adenosine 5'-phosphosulfate kinase | AF033026.1 | 2 |
| MIOA8767 | | | |
| 2520 SEOA1117a | calmodulin-dependent protein phosphatase catalytic subunit (PPP3CA) (=J05480) | L14778 | 2 |
| seob8082 | | | |
| 2521 FCR1020 hfcr1907 | ERK activator kinase (MEK2) | L11285 | 2 |
| 2522 MIOA2536a MIOA7350a | mitogen-responsive phosphoprotein DOC-2 | U53446 | 2 |
| 2523 hfcr2504 SEOB0716a | protein kinase C, mu (PRKCM) | NM_002742.1 | 2 |
| 2524 MIOA7629a ncrc0777 | serine-threonine protein kinase (MNBH) | AF108830.1 | 2 |
| 2525 MIOA1388a MIOA4718 | cAMP-specific phosphodiesterase 8B (PDE8B) | AF079529 | 2 |
| 2526 SEOA7354a SEOA3811a | cGMP phosphodiesterase | X62695 | 2 |
| 2527 ncr5719 ncrb8573 | monoamine oxidase B (MAOB) | NM_000898.1 | 2 |
| 2528 miob4055 | A kinase (PRKA) anchor protein 2 (AKAP2)(= KIAA0920) | NM_007203.1 | 2 |
| ncrc3623 | | | |

Figure 6A - Continued

| | | | | |
|------|------------------------|---|-------------|---|
| 2529 | mioa9831 | associated molecule with the SH3 domain of STAM (AMSH) mRNA | NM_006463.1 | 2 |
| | ncr1528 | | | |
| 2530 | SEOA1580a FCR0061n | adenomatosis polyposis coli (APC) | gi4557318 | 2 |
| 2531 | hfc9134 CR0533 | breakpoint cluster region (BCR) gene | U07000.1 | 2 |
| 2532 | ncr3432 miob3609 | brefeldin A-inhibited | NM_006421.2 | 2 |
| 2533 | ncrb7350 | dexamethasone-induced ras-related protein 1 (DEXRAS1) gene, (=activator of G protein signaling (AGS1)) | AF262018.1 | 2 |
| | ncrc9311 | | | |
| 2534 | SEOA6033a ncr0158 | guanine nucleotide exchange factor p532 | U50078 | 2 |
| 2535 | SEOB0885a | GUANINE NUCLEOTIDE-BINDING PROTEIN BETA SUBUNIT-LIKE PROTEIN 12.3 (P205) (RECEPTOR OF ACTIVATED PROTEIN KINASE C 1) (RACK1) | spP25388 | 2 |
| | SEOA8447 | | | |
| 2536 | MIOA3963a SEOB3569 | low-Mr GTP-binding protein (RAB32) | U59878 | 2 |
| 2537 | SEOA3516a SEOA7367a | MAD-3 (I κ B-like activity) | M69043 | 2 |
| 2538 | ncr6920 | N-acetylneuraminic acid phosphate synthase; sialic acid synthase (SAS) | NM_018946.1 | 2 |
| | SEOA9931 | | | |
| 2539 | seob2303 ncrc6817 | nucleolar GTPase (HUMAQUANTIG) | NM_013285.1 | 2 |
| 2540 | ncr3262 ncrb6174 | Rab5-interacting protein | AF112213.1 | 2 |
| 2541 | FCR0990 ncrc5553 | Rab9 effector p40 | Z97074 | 2 |
| 2542 | SEOB2642 FCR6495 | Ran_GTP binding protein 5 | Y08890.1 | 2 |
| 2543 | fcrb2722 | Ras suppressor protein 1(RSU1), (= RSU-1/RSP-1 mRNA) | NM_012425.2 | 2 |
| | ncrc2963 | | | |
| 2544 | hfc92535 | Rho guanine nucleotide exchange factor (GEF) 1 (ARHGEF1) | NM_004706.1 | 2 |
| | hfc96117 | | | |
| 2545 | ncr0266 | Rho guanine nucleotide-exchange factor, splice variant NET1A | AJ010045.1 | 2 |
| | FCR0935N | | | |
| 2546 | miob3696 | Rho-associated, coiled-coil containing protein kinase 1 (ROCK1) | NM_005406.1 | 2 |
| | ncr5724 | | | |
| 2547 | MIOA3548a ncrb8356 | SH3 binding protein | AB005047 | 2 |
| 2548 | seob5551 | SH3-domain binding protein 5 (BTK-associated) (SH3BP5) (=DKFZp434H068) | NM_004844.1 | 2 |
| | ncrc5501 | | | |
| 2549 | miob3531 | signal transducing adaptor molecule (SH3 domain and ITAM motif) 1 (STAM) | NM_003473.1 | 2 |
| | miob6377 | | | |
| 2550 | ncr0924 ncrb4316 | small GTP-binding protein rab22b | AF183421.1 | 2 |
| 2551 | miob3456 ncrc0958 | Src-like-adaptor (SLA) | NM_006748.1 | 2 |
| 2552 | FCR2541 | adrenal specific pG2 (=U15981 dlk) | X17544 | 2 |

Figure 6A - Continued

| | | | |
|----------------|--|-------------|---|
| fcrb2643 | | | |
| 2553 SEOB2979 | novel antagonist of FGF signaling (sprouty-1) | AF041037.1 | 2 |
| FCR0918 | | | |
| 2554 SEOA0539n | abundant in neuroepithelium area (BTG3) (=D64110 ANA) | gi5802989 | 2 |
| MIOB2564 | | | |
| 2555 ncr0775 | bone morphogenetic protein 5 (BMP5) | NM_021073.1 | 2 |
| ncr1148 | | | |
| 2556 ncrb5631 | bone morphogenetic protein-3b gene | D49493.1 | 2 |
| ncrc1178 | | | |
| 2557 FCR2195 | folliculin | M19480 | 2 |
| seoa8133 | | | |
| 2558 SEOA5494a | glioblastoma amplified sequence (GBAS) | AF029786 | 2 |
| SOA0678 | | | |
| 2559 seob6089 | growth associated protein 43 (GAP43) | NM_002045.1 | 2 |
| ncrb6144 | | | |
| 2560 SEOA2978a | hepatocyte growth factor activator inhibitor type 2 (=AF027205 Kunitz-type protease inhibitor (kop)) | AB006534 | 2 |
| ncrc5679 | | | |
| 2561 SEOA7369a | hepatoma-derived growth factor | D16431 | 2 |
| FCR0863 | | | |
| 2562 seob7039 | high-risk human papilloma viruses E6 oncoproteins targeted protein E6TP1 alpha (=AB007900 KIAA0440) | AF090989.1 | 2 |
| hfc0241 | | | |
| 2563 SEOA7442a | interferon-gamma | U10360 | 2 |
| SEOA5095a | | | |
| 2564 seob7184 | macrophage-specific colony-stimulating factor (CSF-1) | M37435.1 | 2 |
| MIOA8693 | | | |
| 2565 FCR7004 | midkine (neurite growth-promoting factor 2) (MDK) (=X55110 neurite outgrowth-promoting protein) | gi4505134 | 2 |
| fcrb0384 | | | |
| 2566 MIOA4271 | monocyte chemotactic protein-3 (MCP-3) | X72308 | 2 |
| SEOA4204a | | | |
| 2567 MIOA2774a | neuromedin B | M21551 | 2 |
| FCR3540 | | | |
| 2568 ncr3963 | p8 protein (candidate of metastasis 1) (P8) | NM_012385.1 | 2 |
| hfc03605 | | | |
| 2569 ncr8995 | polydom protein | AAG32160.1 | 2 |
| ncrc5580 | | | |
| 2570 ncr2792 | SKI-INTERACTING PROTEIN (RefSeq aa 7e-55) | NP_036377.1 | 2 |
| ncrb5813 | | | |
| 2571 ncr3869 | uncharacterized bone marrow protein BM042 (BM042) (=DKFZp761A1124) | NM_018458.1 | 2 |
| hfc02529 | | | |
| 2572 hfc06211 | cullin 5 (CUL5) | NM_003478.1 | 2 |
| ncr4667 | | | |
| 2573 hfc09846 | ADP-ribosylation factor 6 (ARF6) | NM_001663.2 | 2 |
| ncrc5099 | | | |
| 2574 seob7404 | ADP-ribosylation factor domain protein 1, 64kD (ARFD1) | NM_001656.1 | 2 |
| ncrb7225 | | | |
| 2575 SEOA4023a | ADP-ribosylation factor[arf]-directed GTPase activating protein (ASAP1) (=AB007860 KIAA0400) | gi4502248 | 2 |
| SEOA5557a | | | |
| 2576 seob5454 | ADP-ribosylation factor-like 3 (ARL3) | NM_004311.1 | 2 |
| SEOA8761 | | | |
| 2577 miob4760 | calcyclin binding protein | AF057356.1 | 2 |

Figure 6A - Continued

| | | | |
|-----------------------------|---|-------------|---|
| SEOA6019a | | | |
| 2578 SEOB3067 ncr6116 | FE65-like protein (hFE65L) | U62325.1 | 2 |
| 2579 FCR3754 | hepatocyte growth factor-like protein homolog (low match) | U28055 | 2 |
| FCR6350 | | | |
| 2580 SEOA5490a SEOA1443a | monocyte/neutrophil elastase inhibitor | AF053630 | 2 |
| 2581 FCR3033 | poly (ADP-ribose) polymerase (=J03473; M29786) | M18112 | 2 |
| FCR4760 | | | |
| 2582 hfcr7146 | chloride channel nucleotide-sensitive, 1A (CLNS1A) | NM_001293.1 | 2 |
| ncr7893 | | | |
| 2583 miob6677 | ecotropic viral integration site 5 (EVI5) | NM_005665.1 | 2 |
| seob6122 | | | |
| 2584 FCR1608 | JTV-1 (JTV-1) | U24169 | 2 |
| ncrc2007 | | | |
| 2585 FCR5663 | membrane protein, type II clone:HP10390 | AB015631.1 | 2 |
| FCR7710 | | | |
| 2586 FCR5800 | membrane protein-like protein | U21556 | 2 |
| ncr5960 | | | |
| 2587 SEOA4461a | potassium voltage-gated channel, delayed-rectifier, subfamily S, member 3 (KCNS3)=AF043472 Shab-related delayed-rectifier K channel alpha subunit | NM_002252.1 | 2 |
| miob3803 | | | |
| 2588 hfcr2601 | stomatin-like protein 2 (SLP-2) | NM_013442.1 | 2 |
| MIOA9010 | | | |
| 2589 SEOA3717a | voltage-dependent anion channel isoform 2 (VDAC2) | AF152227.1 | 2 |
| hfcr1867 | | | |
| 2590 SEOA0114 | MacMarcks | X70326 | 2 |
| hfcr9595 | | | |
| 2591 MIOA3795 | mast cell carboxypeptidase A | M27717 | 2 |
| ncrc4531 | | | |
| 2592 SEOA0956 | cell adhesion protein (vitronectin) receptor alpha subunit | M14648 | 2 |
| SEOA1525 | | | |
| 2593 SEOB1362 | goliath protein | AF155650.1 | 2 |
| ncr2883 | | | |
| 2594 ncrb3880 | integrin alpha-11 subunit precursor (ITGA11) | AF109681.1 | 2 |
| hfcr0506 | | | |
| 2595 seob5976 | integrin, alpha V(vitronectin receptor, alpha polypeptide, antigen CD51)(ITGAV) | NM_002210.1 | 2 |
| MIOA8308 | | | |
| 2596 MIOA3940a | platelet/endothelial cell adhesion molecule-1 (PECAM-1) | L34657 | 2 |
| ncr2928 | | | |
| 2597 hfcr1210 | protocadherin 43 gene | AF119570 | 2 |
| hfcr9914 | | | |
| 2598 hfcr0358 | TRAF and TNF receptor associated protein (trap gene) | AJ269473.1 | 2 |
| ncrc0203 | | | |
| 2599 fcrb0662 | chromodomain helicase DNA binding protein 4 (CHD4) | NM_001273.1 | 2 |
| ncrc1452 | | | |
| 2600 SEOA4640a | chromodomain protein, Y chromosome-like (CDYL)=AF081259 | NM_004824.1 | 2 |
| MIOA3378a | | | |
| 2601 seob5523 | chromosome-associated polypeptide C (CAP-C)(=DKFZp434F205) | NM_005496.1 | 2 |
| ncrb8661 | | | |

Figure 6A - Continued

| | | | | |
|------|-----------------------|--|-------------|---|
| 2602 | hfc3821 ncrc3248 | Gu protein = PC6010 RNA helicase Gu | U41387.1 | 2 |
| 2603 | ncr0451 ncr1415 | histone acetyltransferase (HBOA) | NM_007067.1 | 2 |
| 2604 | mioa9555 ncr1415 | histone acetyltransferase (MORF), (ORF) | NM_012330.1 | 2 |
| 2605 | SEOA5580a | histone deacetylase 2 (HDAC2) (=U31814 transCRiptional regulator homologue RPD3) | gi4557640 | 2 |
| | SEOA6157a | | | |
| 2606 | FCR1473 FCR6859 | histone maCRoH2A1.2 | AF054174 | 2 |
| 2607 | fcrb1689 fcrb1558 | non-histone chromatin protein HMG1 (HMG1) gene | U51677.1 | 2 |
| 2608 | SEOB2283 | SCG10 like-protein, helicase-like protein NHL, M68, and ADP-ribosylation factor related protein 1 (ARFRP1) genes, complete cds | AF217796.1 | 2 |
| | ncrc2847 | | | |
| 2609 | ncrb2798 ncrb8542 | telomerase binding protein p23 (LOC56351) | NM_019766.1 | 2 |
| 2610 | seob6696 | menage a trois 1 (CAK assembly factor) (MNAT1) = X92669.1 p35, cyclin-like CAK1-associated protein(ORF) | NM_002431.1 | 2 |
| | ncr6088 | | | |
| 2611 | hfc5905 | camptothecin resistant clone CEM/C2 DNA topoisomerase I mRNA, partial cds | U07806.1 | 2 |
| | ncrc3345 | | | |
| 2612 | FCR6395 ncr7669 | cdc14 homologue | AF000367 | 2 |
| 2613 | SEOB0752 seoa7696a | CDC28 protein kinase 2 (CKS2) | 4502858 | 2 |
| 2614 | hfc6613 FCR5881 | cell cycle protein (PA2G4) gene | AF104670.1 | 2 |
| 2615 | hfc4741 hfc9178 | cell division cycle 20, S.cerevisiae homolog (CDC20) | NM_001255.1 | 2 |
| 2616 | miob3313 MIOA9096 | cullin 2 (CUL2) | AF126404.1 | 2 |
| 2617 | ncr3172 ncr2556 | dedicator of cytokinesis 1 (DOCK1) | NM_001380.1 | 2 |
| 2618 | miob0050 | DNA for (CGG)n trinucleotide repeat region, isolate E7 | AJ001216.1 | 2 |
| | ncrc0545 | | | |
| 2619 | fcrb1788 ncrb8763 | G1 to S phase transition 1 (GSPT1) | XM_055673.1 | 2 |
| 2620 | hfc6829 hfc9596 | growth arrest-specific 6 (GAS6) | NM_000820.1 | 2 |
| 2621 | MIOB2293 hfc6829 | growth arrest-specific 7 (GAS7), transCRipt variant b | 5360211 | 2 |
| 2622 | MIOA9062 SEOA6398 | GTP-binding protein RAB21 (RAB21) = KIAA0118 | AF091035 | 2 |
| 2623 | FCR5023 hfc9101 | MAC30 | L19183 | 2 |
| 2624 | SEOA6152a BFCS0302 | rhoB | M74295 | 2 |
| 2625 | MIOA8239 ncrc1460 | Topoisomerase I | CAA18536.1 | 2 |
| 2626 | FCR5707 FCR5704 | X-linked nuclear protein (ATRX) | AF000160 | 2 |
| 2627 | SEOB1720 ncr2404 | API5-like 1 (API5L1) | NM_006595.1 | 2 |

Figure 6A - Continued

| | | | | |
|------|-----------|--|-----------------|---|
| 2628 | hfc9982 | bedlin 1 (BECN1)mRNA, (=bedlin 1 (coiled-coil, myosin-like BCL2-interacting protein) (BECN1))(=GT197 partial ORF) | AF139131.1 | 2 |
| | SEOA9079 | | | |
| 2629 | SEOA5387 | BNIP3L | AB004788.1 | 2 |
| | SEOB1998 | | | |
| 2630 | ncrb5704 | CASP8 associated protein 2 (RefSeq aa 2e-87) | NP_036247.1 | 2 |
| | fcrb2400 | | | |
| 2631 | miob6721 | CED-6 protein (CED-6) | NM_016315.1 | 2 |
| | ncrc9794 | | | |
| 2632 | SEOB0294 | dual-specificity protein phosphatase | U15932.1 | 2 |
| | ncr2473 | | | |
| 2633 | MIOA1294n | neuronal apoptosis inhibitory protein | U19251 | 2 |
| | SEOB0418 | | | |
| 2634 | miob5878 | NOD1 protein (NOD1) gene | AF149773.1 | 2 |
| | miob5958 | | | |
| 2635 | hfc6747 | programmed cell death 6 (PDCD6) | NM_013232.1 | 2 |
| | ncr8007 | | | |
| 2636 | FCR2729 | 45kDa splicing factor | AF083384 | 2 |
| | FCR4489 | | | |
| 2637 | hfc6849 | KH-type splicing regulatory protein (KHSRP) | NM_003685.1 | 2 |
| | fcrb1648 | | | |
| 2638 | seoa6797 | polymerase (DNA-directed) kappa (POLK), mRNA /cds=(172,2784) /gb=NM_016218 /gi=7705343 /ug=Hs.135756 /len=4074 | Hs.135756 | 2 |
| | ncrc2394 | | | |
| 2639 | hfc2821 | polymerase (RNA) II (DNA directed) polypeptide J (13.3kD) (POLR2J) | NM_006234.1 | 2 |
| | hfc8656 | | | |
| 2640 | seob6131 | Replication factor C (activator 1) 4 (37kD) | NM_002916.1 | 2 |
| | ncrc9255 | | | |
| 2641 | ncrb4843 | replication protein A1 (70kD) (RPA1) | NM_002945.1 | 2 |
| | ncrb7041 | | | |
| 2642 | ncr0673 | replication protein A2 (32kD)(RPA2) | NM_002946.1 | 2 |
| | hfc4151 | | | |
| 2643 | seob4816 | anaphase-promoting complex subunit 4 (APC4) | NM_013367.1 | 2 |
| | seoa7822a | | | |
| 2644 | hfc5827 | cell division control protein 16 (CDC16) mRNA, complete cds | AF164598.1 | 2 |
| | SEOB0703a | | | |
| 2645 | MIOA3354a | cysteine and glycine-rich protein 2 (CSRP2) (contains Alu repeat) | U95018 | 2 |
| | hfc6154 | | | |
| 2646 | ncr4140 | Notch2-like (Notch2l) | NM_008715.1 | 2 |
| | ncrb1861 | | | |
| 2647 | ncr3284 | p53 regulated PA26 nuclear protein (PA26) | NM_014454.1 | 2 |
| | miob1079n | | | |
| 2648 | SEOB0376 | proto-oncogene (Wnt-5a) | L20681.1 | 2 |
| | SEOB0439 | | | |
| 2649 | ncrc8863 | Pro-X carboxypeptidase precursor (RefSeq aa 7e-49) | NP_005031.1 | 2 |
| | ncrc1788 | | | |
| 2650 | FCR1478 | ras inhibitor | M37190 | 2 |
| | hfc7027 | | | |
| 2651 | FCR5975 | SEPTIN 2 HOMOLOGUE (SEP2) | Q14141 | 2 |
| | FCR1045 | | | |
| 2652 | SEOA9150 | tumor antigen SLP-8p (HCC8)= | AF102177.1(ORF) | 2 |
| | ncrc4313 | | | |
| 2653 | ncr1526 | tumor differentially expressed 1 (RefSeq aa 1e-77) | NP_006802.1 | 2 |
| | ncr9117 | | | |

Figure 6A - Continued

| | | | |
|----------------|--|-------------|---|
| 2654 seob8160 | tumor necrosis factor alpha-induced protein 6 (TNFAIP6) | NM_007115.1 | 2 |
| miob3900 | | | |
| 2655 FCR0652N | tumor neCrosis factor receptor | M58286 | 2 |
| MIOA3725a | | | |
| 2656 seob3697 | tumor necrosis factor(ligand) superfamily, member 10 (TNFSF10) mRNA | NM_003810.1 | 2 |
| seob5604 | | | |
| 2657 miob2918 | tumor protein D52 (TPD52)(= N8=tumor expression-enhanced gene)(= 19.8 kDa protein) | NM_005079.1 | 2 |
| ncrb2024 | | | |
| 2658 FCR7689 | tumor suppressor protein (101F6), putative | AF040704 | 2 |
| ncrb5384 | | | |
| 2659 SEOA1856a | tumor susceptibility protein (TSG101) | U82130 | 2 |
| FCR6807 | | | |
| 2660 ncr2293 | integral type I protein | NM_007364.1 | 2 |
| fcrb2524 | | | |
| 2661 ncr7137 | musculus DnaJ-like protein 1 (Dnajl1) | NM_007869.1 | 2 |
| hfc732 | | | |
| 2662 FCR4433 | PROBABLE ARP2/3 COMPLEX 20 KD SUBUNIT (P20-ARC) | spQ18491 | 2 |
| MIOA4076a | | | |
| 2663 miob6228 | protein kinase NY-REN-64 antigen (LOC51135) | NM_016123.1 | 2 |
| 2664 ncr0836 | semipalmatus 18S ribosomal RNA gene, complete sequence | AF173638.1 | 2 |
| seob2299 | | | |
| 2665 FCR2054 | 19 kDa subunit of NADH (complex I) | X59697 | 2 |
| FCR3701 | | | |
| 2666 hfc5611 | proteasome (prosome macropain) activator subunit 2 (PA28 beta) (PSME2) | NM_002818.1 | 2 |
| mioa1118m | | | |
| 2667 FCR6057 | proteasome subunit p45 26S | D44467 | 2 |
| MIOA1687a | | | |
| 2668 ncr8935 | F-box only protein 2 (FBXO2) | NM_012168.1 | 2 |
| seob5743 | | | |
| 2669 ncr7178 | ubiquitin specific protease | NM_004505.1 | 2 |
| ncrc6595 | | | |
| 2670 FCR4238 | transCRiption factor ZFM1 (=L49380;L49345;Y08765 splicing factor SF1-hl1)) | D26120 | 2 |
| MIOA1370a | | | |
| 2671 ncrb8142 | RNA for Golgi protein (GPP34 gene) | AJ296152.1 | 2 |
| ncrb0460 | | | |
| 2672 miob4144 | dnchc2 cytoplasmic dynein heavy chain | AB041881.1 | 2 |
| miob0994 | | | |
| 2673 ncrb8693 | kinesin family member 3B (KIF3B) (=KIAA0359) | NM_004798.1 | 2 |
| SEOA6930 | | | |
| 2674 MIOA4667a | CAK1 mRNA for Cdk-activating kinase=cyclin-dependent kinase 7=X77743 | X77303 | 2 |
| MIOA5773a | | | |
| 2675 MIOA6673a | guanylate binding protein isoform I (GBP-2) | M55542 | 2 |
| miob4524 | | | |
| 2676 SEOA8511 | CYTOCHROME C OXIDASE POLYPEPTIDE VIC PRECURSOR | P09669 | 2 |
| SEOA8951 | | | |
| 2677 miob6128 | solute carrier family 16 (monocarboxylic acid transporters), member 7 (SLC16A7) | NM_004731.1 | 2 |
| SOA0356 | | | |
| 2678 ncr1658 | eukaryotic translation initiation factor 4B (EIF4B) | NM_001417.1 | 1 |

Figure 6A - Continued

| | | | | |
|------|-----------|---|-------------|---|
| 2679 | SEOA6732 | mitogen inducible gene mig-2 | Z24725 | 1 |
| 2680 | SEOA4716a | metallothionein | X97260 | 1 |
| 2681 | FCR0211 | nucleoplasmin-3 (NPM3) | AF081280 | 1 |
| 2682 | SEOA8232 | ATP SYNTHASE COUPLING FACTOR 6, MITOCHONDRIAL PRECURSOR (F6) | spP18859 | 1 |
| 2683 | FCR5354 | cytochrome c oxidase COX subunit IV (COX IV) | M21575 | 1 |
| 2684 | SEOB0483 | aminopeptidase PILS (APPILS) | AF183569.1 | 1 |
| 2685 | hfc9312 | heat shock protein, DNAJ-like 2 (HSJ2) | NM_001539.1 | 1 |
| 2686 | FCR1079 | cytochrome P450 (CYP1A2) | M31667 | 1 |
| 2687 | SEOA2819 | integral membrane protein Tmp21-I (p23) | AJ004913.1 | 1 |
| 2688 | ncr5264 | cadherin 11, OB-cadherin(osteoblast) (CDH11)(= OB-cadherin-2)(= OB-cadherin-1)(= cadherin-11) | NM_001797.1 | 1 |
| 2689 | hfc9447 | solute carrier family 4, anion exchanger, member 3 (SLC4A3) | NM_005070.1 | 1 |
| 2690 | hfc9449 | beta-galactosidase (GLB1) | M34423.1 | 1 |
| 2691 | MIOA1524 | protein phosphatase 2A 130 kDa regulatory subunit | L07590 | 1 |
| 2692 | MIOB2756 | 5' cap guanine-N-7 methyltransferase (RNMT) | AF067791.1 | 1 |
| 2693 | miob0636 | calcineurin A1 | M29550.1 | 1 |
| 2694 | ncrb5940 | baculoviral IAP repeat-containing 6 (BIRC6) | NM_016252.1 | 1 |
| 2695 | ncrb3226 | PTD019 (=HSPC203) | AF226729.1 | 1 |
| 2696 | ncr7181 | spastic paraplegia 4 | NM_014946.1 | 1 |
| 2697 | MIOA3269a | uncharacterized protein | AK002062 | 1 |
| 2698 | miob1136 | a disintegrin and metalloproteinase domain 28 (ADAM28)(= eMDC II) | NM_014265.1 | 1 |
| 2699 | ncrc4565 | procollagen-proline, 2-oxoglutarate4-dioxygenase (proline 4-hydroxylase), alpha polypeptide(RefSeq aa 1e-44) | NP_000908.1 | 1 |
| 2700 | MIOA4628a | proteasome (prosome, maCRopain) 26S subunit, non-ATPase, 12 (PSMD12)=AB003103 = 26S proteasome subunit p55, | NM_002816.1 | 1 |
| 2701 | SEOB3158 | c-maf long form | AF055377.1 | 1 |
| 2702 | FCR2306 | Kruppel-like zinc finger protein Zf9 | AF001461 | 1 |
| 2703 | SEOA8640 | Tat-interacting protein (30kD) (TIP30) | 5454125 | 1 |
| 2704 | FCR5620 | zinc finger protein | L16896 | 1 |
| 2705 | ncrb0090 | zinc finger protein 22 (KOX 15) (RefSeq aa 1e-48) | NP_008894.1 | 1 |
| 2706 | seob5860 | ribonucleoprotein gene 60-kD SS-A/Ro D8 | U44388.1 | 1 |
| 2707 | ncrb7111 | betaglycan (TBR III gene) | AJ251961.1 | 1 |
| 2708 | ncr0016 | Estrogen receptor 1 (ESR1) | NM_000125.1 | 1 |
| 2709 | FCR6902 | glucocorticoid-induced leucine zipper GILZ protein | AF024519 | 1 |
| 2710 | seob7262 | activated leucocyte cell adhesion molecule (ALCAM) | NM_001627.1 | 1 |
| 2711 | seoa8019 | BCL2-associated athanogene 3 (BAG3), mRNA /cds=(306,2033) /gb=NM_004281 /gi=14043023 /ug=Hs.15259 /len=2605 | Hs.15259 | 1 |
| 2712 | miob2944 | fetal liver cDNA library | AI133292.1 | 1 |
| 2713 | ncrc9117 | unnamed protein product | BAB15083.1 | 1 |
| 2714 | SEOA6701a | solute carrier family 16 (monocarboxylic acid transporters), member 4 (SLC16A4) (contains Alu repeat) | gi4759113 | 1 |
| 2715 | SEOA5299a | muscle-type phosphofructokinase (PFK-M) gene | M59741 | 1 |
| 2716 | FCR5337 | protein tyrosine phosphatase (PRL-1) | L39000 | 1 |
| 2717 | MIOB0468 | 5-lipoxygenase activating protein (FLAP) (arachidonate 5-lipoxygenase-activating protein) (ALOX5AP) | M63262.1 | 1 |
| 2718 | hfc95181 | NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 3 (9kD, B9)(NDUFA3) | NM_004542.1 | 1 |
| 2719 | MIOA5484a | SUCCINATE DEHYDROGENASE [UBIQUINONE] FLAVOPROTEIN SUBUNIT, MITOCHONDRIAL PRECURSOR (FP) (FLAVOPROTEIN SUBUNIT OF COMPLEX II) Length = 664 | spP31040 | 1 |

Figure 6A - Continued

| | | | |
|----------------|---|-------------------|---|
| 2720 seob4487 | translation initiation factor IF2 (IF2)(ORF) | NM_015904.1 | 1 |
| 2721 SEOA6867 | PROTEASOME THETA CHAIN (MACROPAIN THETA CHAIN) (MULTICATALYTIC ENDOPEPTIDASE COMPLEX THETA CHAIN) (PROTEASOME CHAIN 13) (PROTEASOME COMPONENT C10-II) | spP49720 | 1 |
| 2722 hfcr1073 | general transcription factor IIE, polypeptide 2 | NM_002095.1 | 1 |
| 2723 ncr4550 | hematopoietic-derived zinc fingerprotein (RefSeq aa 1e-48) | NP_004867.1 | 1 |
| 2724 miob3044 | zinc finger protein 208(ZNF208) | NM_007153.1 | 1 |
| 2725 MIOA3528a | ZNF202 beta (ZNF202) | AF027219 | 1 |
| 2726 MIOB2227 | pirin (PIR) | gi4505822 | 1 |
| 2727 FCR1779 | U6 snRNA | X59362 | 1 |
| 2728 hfcr5473 | RNA polymerase II subunit | U37690.1 | 1 |
| 2729 seob1667n | mitochondrial ribosomal protein L20 (MRPL20), mRNA | XM_027716.1 | 1 |
| 2730 MIOA1556 | MHC class I HLA-C-alpha-2 chain | M24097 | 1 |
| 2731 ncr3035 | beta-preprotachykinin | X54469.1 | 1 |
| 2732 miob0942 | pre-B-cell colony-enhancing factor (PBEF) | NM_005746.1 | 1 |
| 2733 ncrb0323 | adaptor-related protein complex 3, beta 1 subunit (AP3B1) | NM_003664.1 | 1 |
| 2734 miob4370 | transmembrane 4 superfamily member (tetraspan NET-2) (NET-2) | NM_012338.1 | 1 |
| 2735 hfcr1201 | adaptor-related protein complex 3, delta 1 subunit (ADTD), mRNA | NM_003938.1 | 1 |
| 2736 hfcr3774 | seven transmembrane domain protein (NIFIE14) | NM_006326.1 | 1 |
| 2737 hfcr3494 | DNA topoisomerase III | U43431.1 | 1 |
| 2738 MIOA8557 | SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 2 (=SNF2alpha protein) | NP_003061.1 | 1 |
| 2739 hfcr6715 | methyltransferase (HASJ4442) | NM_017528.1 | 1 |
| 2740 HFCR3091 | collagen binding protein 2 | D83174.1 | 1 |
| 2741 miob6645 | syndecan-1 gene (exons 2-5) | Z48199.1 | 1 |
| 2742 SEOA8501 | CC-chemokine receptor(CCR-5) gene, delta-32 allele | AF009962.1 | 1 |
| 2743 ncrb5361 | interferon, alpha-inducible protein 27(RefSeq aa 7e-39) | NP_005523.1 | 1 |
| 2744 ncr3891 | mitogen-activated protein kinase 6 (MAPK6) | NM_002748.1 | 1 |
| 2745 ncr4920 | MAD (mothers against decapentaplegic, Drosophila) homolog 7 (MADH7) | NM_005904.1 | 1 |
| 2746 FCR3173N | developmentally regulated GTP-binding protein 2 (DRG2) X80754 | | 1 |
| 2747 fcrb1136 | melanoma differentiation associated (mda-6)= cyclin-dependent kinase inhibitor Length = 2120 | L25610.1 U09579.1 | 1 |
| 2748 seob5894 | ADP-ribosylation factor-like 1 (ARL1) | NM_001177.2 | 1 |
| 2749 seob7755 | mannose-specific lectin (MR60) | U09716.1 | 1 |
| 2750 ncrb1852 | postmeiotic segregation increased 2-like 8 (RefSeq aa 2e-57) | NP_005385.1 | 1 |
| 2751 seob3675 | spindlin (Spin) | NM_011462.1 | 1 |
| 2752 SEOB1316 | p53 binding protein | U82939.1 | 1 |
| 2753 FCR2301 | BRAIN PROTEIN I3 | P28662 | 1 |
| 2754 ncr2693 | cerebellar degeneration-related protein (34kD) (CDR1) | NM_004065.1 | 1 |
| 2755 SEOA5461 | fetal brain oculocerebrorenal syndrome (OCRL1) | U57627 | 1 |
| 2756 SEOA9016 | fungal sterol-C5-desaturase homolog | D85181.1 | 1 |
| 2757 miob0213 | HSPC280 | AF161398.1 | 1 |
| 2758 ncr5865 | HSPC282 | AF161400 | 1 |
| 2759 seoa8035 | hypothetical protein MGC3037 (MGC3037), mRNA /cds=(99,1151) /gb=NM_024047 /gi=13129009 /ug=Hs.301789 /len=1507 | Hs.301789 | 1 |

Figure 6A - Continued

| | | | |
|----------------|--|-------------|---|
| 2760 ncrb1100 | immature colon carcinoma transcript 1(RefSeq aa 5e-76) | NP_001536.1 | 1 |
| 2761 MIOA3801 | integral membrane protein type II (NKG2-D) (=U08988 CRFB4) | AF001297 | 1 |
| 2762 hfc1340 | isolate Indonesian 79 type 299 mitochondrial control region, partial | AF176203 | 1 |
| 2763 miob5915 | KIAA0250 gene | NM_014837.1 | 1 |
| 2764 miob4004 | KIAA0260 gene | D87449.1 | 1 |
| 2765 ncr3189 | KIAA0388 | AB002386.1 | 1 |
| 2766 miob6485 | KIAA0576 protein | AB011148.1 | 1 |
| 2767 miob6092 | NTT gene (L1 Alu and MER 38 repeat regions) | U54776.1 | 1 |
| 2768 MIOA8862 | ORF2-like protein | AAD04635.1 | 1 |
| 2769 SEOA7485a | PMS2L13 | AB017004.1 | 1 |
| 2770 seoa7788a | putative (LOC116228), mRNA | XM_057659.2 | 1 |
| 2771 ncr6617 | RAB, member of RAS oncogene family-like 2B (RABL2B) | NM_007081.1 | 1 |
| 2772 hfc9807 | sushi-repeat protein (SRPUL) | NM_014467.1 | 1 |
| 2773 SEOA8960 | VACUOLAR ATP SYNTHASE SUBUNIT H (V-ATPASE H SUBUNIT) (V-ATPASE M9.2 SUBUNIT) (9.2 KD MEMBRANE ACCESSORY PROTEIN) | spO15342 | 1 |
| 2774 miob1306 | nicotinamide nucleotide transhydrogenase (NNT) | NM_012343.1 | 1 |
| 2775 ncrb6476 | palmitoylated membrane protein 3 (RefSeq aa 1e-86) | NP_001923.1 | 1 |
| 2776 hfc5157 | protein phosphatase 4 regulatory subunit 1 (PPP4R1) | NM_005134.1 | 1 |
| 2777 SEOB0510 | POLY(A) POLYMERASE (PAP) (POLYNUCLEOTIDE ADENYLYLTRANSFERASE) | spP51003 | 1 |
| 2778 FCR1098 | ATP-citrate lyase | X64330 | 1 |
| 2779 SEOA1812a | phosphatidic acid phosphatase type 2c (Ppap2c) (=D38522 KIAA0080) | AF123611.1 | 1 |
| 2780 MIOA8919 | cytochrome c (HS7) processed pseudogene | M22893.1 | 1 |
| 2781 MIOA2853a | mitochondrial 3-ketoacyl-CoA thiolase beta-subunit of trifunctional protein | D16481.1 | 1 |
| 2782 MIOA3397a | mitochondrial acetoacetyl-coenzyme A thiolase (EC 2.3.1.9) | D90228 | 1 |
| 2783 MIOA7423a | mitochondrial elongation factor G | L14684 | 1 |
| 2784 SEOB0352 | mitochondrial F1FO-type ATPase subunit d | AF087135.1 | 1 |
| 2785 ncrb7167 | NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 9 (39kD) (RefSeq aa 2e-80) | NP_004993.1 | 1 |
| 2786 SEOA6131a | ubiquinol cytochrome-c reductase core I protein | L16842 | 1 |
| 2787 hfc8033 | aspartyl protease(BACE2) mRNA, complete cds, alternatively spliced | AF188277.1 | 1 |
| 2788 miob6834 | carbamyl phosphate synthetase I | AF154830.1 | 1 |
| 2789 SEOB3131 | glutamine:fructose-6-phosphate amidotransferase (GFAT) | M90516.1 | 1 |
| 2790 FCR6092 | selenium donor protein (selD) | U34044 | 1 |
| 2791 ncrb6907 | tousled-like kinase 1 (RefSeq aa 1e-49) | NP_036422.1 | 1 |
| 2792 miob5675 | peroxisomal biogenesis factor 3 (PEX3) | NM_003630.1 | 1 |
| 2793 FCR4129 | peroxisome biogenesis disorder protein 1 (PEX1) | AF026086 | 1 |
| 2794 ncrb5322 | signal recognition particle receptor ('docking protein') (SRPR) | NM_003139.1 | 1 |
| 2795 mlob6518 | UBIQUITIN CARBOXYL-TERMINAL HYDROLASE 12 (UBIQUITIN THIOLESTERASE 12)(UBIQUITIN-SPECIFIC PROCESSING PROTEASE 12) (DEUBIQUITINATING ENZYME 12) (UBIQUITIN HYDROLYZING ENZYME 1) | spO75317 | 1 |
| 2796 hfc9420 | ubiquitin specific protease 11 (USP11) | NM_004651.1 | 1 |
| 2797 miob3695 | ASH2L (absent, small, or homeotic, Drosophila, homolog)-like | NM_004674.1 | 1 |
| 2798 ncrb4166 | c-myc gene | 1001205A | 1 |
| 2799 hfc9656 | colon Kruppel-like factor (CKLF) | AF132818.1 | 1 |

Figure 6A - Continued

| | | | |
|----------------|--|-------------|---|
| 2800 ncrb2524 | general transcription factor IIF, polypeptide 1 (74kD subunit) (GTF2F1) | NM_002096.1 | 1 |
| 2801 miob6794 | hedgehog-interacting protein (Hip) | AF116865.1 | 1 |
| 2802 MIOA5691 | HZF3 mRNA for zinc finger protein(ORF) | X78926 | 1 |
| 2803 seob4284 | Nef-associated factor 1(NAF1) mRNA | NM_006058.1 | 1 |
| 2804 MIOA8914 | retinoblastoma-binding protein 8 (RBBP8) | NM_002894.1 | 1 |
| 2805 FCR0089 | transCRiption elongation factor S-II, hS-II-T1 | D50495 | 1 |
| 2806 SEOA8242 | transCRiption factor 4, Helix-loop-helix transCRiption factor 4 (HTF4/TCF12) | M65209 | 1 |
| 2807 ncr6431 | zinc finger protein (PRD51) gene | U88082.1 | 1 |
| 2808 hfc8631 | Zinc-finger helicase (hZFH) | U91543.1 | 1 |
| 2809 SEOA6223 | capping enzyme (HCE) | AF025654 | 1 |
| 2810 ncrb6639 | cleavage and polyadenylation specific factor 4, 30kD subunit (CPSF4) | NM_006693.1 | 1 |
| 2811 FCR3076 | DEAD-box protein p72 (P72) | U59321 | 1 |
| 2812 MIOA5558a | TFIID subunit p22 | D50544 | 1 |
| 2813 HFCR3118 | U5 snRNP 100 kD protein | AF026402.1 | 1 |
| 2814 miob2947 | nasopharyngeal carcinoma susceptibility protein | NP_037407.1 | 1 |
| 2815 ncr1510 | HLA-B gene (HLA-B*0801 allele), complete cds | D83956.1 | 1 |
| 2816 ncrb7557 | diphtheria toxin resistance protein required for diphthamide biosynthesis (Saccharomyces)-like 1 (DPH2L1) | NM_001383.1 | 1 |
| 2817 miob6528 | heat-responsive protein 12 (Hrsp12) | NM_008287.1 | 1 |
| 2818 SEOA0784n | neuronal tissue-enriched acidic protein (NAP-22) | AF039656 | 1 |
| 2819 SEOA4132a | xeroderma pigmentosum complementation group C (XPC)=X65024 | NM_004628.1 | 1 |
| 2820 hfc8706 | carbonic anhydrase II (CA2) | NM_000067.1 | 1 |
| 2821 mioa9505 | PKCq-interacting protein PICOT (PICOT) (ORF) | AF118652 | 1 |
| 2822 ncr1712 | hect domain and RLD 3 (HERC3) | NM_014606.1 | 1 |
| 2823 SEOA4485 | 33 kDa Vamp-associated protein (VAP33) | AF044670 | 1 |
| 2824 SEOA2472 | CGI-76 protein | AF151834.1 | 1 |
| 2825 MIOA4532a | ankyrin-like protein | Y10601.1 | 1 |
| 2826 MIOA0212a | F-actin capping protein beta subunit | U03271 | 1 |
| 2827 FCR2266 | cardiac ventricular troponin C | AF020769 | 1 |
| 2828 SEOA1278a | tropomyosin isoform | Z24727 | 1 |
| 2829 hfc8256 | 22 kDa peroxisomal membrane protein-like (LOC55895) | NM_018663.1 | 1 |
| 2830 miob5978 | angiotensin receptor 1 (AGTR1) | NM_009585.1 | 1 |
| 2831 ncr9754 | dickkopf (Xenopus laevis) homolog 1 (DKK1) | NM_012242.1 | 1 |
| 2832 MIOA2796a | epidermal growth factor receptor substrate (eps15) | U07707 | 1 |
| 2833 hfc8692 | FYN oncogene related to SRC, FGR, YES (FYN) | NM_002037.1 | 1 |
| 2834 ncrb4962 | G protein Golf alpha gene | U55184.1 | 1 |
| 2835 ncrb5965 | glucocorticoid receptor alpha | U25029.1 | 1 |
| 2836 hfc82892 | Homer, neuronal immediate early gene, 1B (SYN47) | NM_004272.1 | 1 |
| 2837 ncrb0602 | interferon, alpha-inducible protein (clone IFI-6-16) (G1P3) | NM_002038.1 | 1 |
| 2838 miob3149 | interleukin 6 signal transducer (gp130, oncostatin M receptor) (IL6ST)(= membrane glycoprotein gp130) | NM_002184.1 | 1 |
| 2839 ncrb0916 | vesicle-associated soluble NSF attachment protein receptor (v-SNARE; homolog of S.cerevisiae VT11) (RefSeq aa 2e-37) | NP_006361.1 | 1 |
| 2840 hfc8442 | mitogen-activated protein kinase 7 (MAPK7) | NM_002749.1 | 1 |
| 2841 MIOA0291 | phosphoenolpyruvate carboxykinase (PCK1) (clone lamda-hPEC-3) | L05144 | 1 |
| 2842 hfc8470 | serine/threonine protein phosphatase catalytic subunit (LOC51723), mRNA =(protein phosphatase 6) | NM_016294.1 | 1 |
| 2843 miob6459 | serine-arginine-rich splicing regulatory protein SRRP86 | AAF37578.1 | 1 |

Figure 6A - Continued

| | | | |
|----------------|---|-------------|---|
| 2844 BFCS0524 | tyrosine kinase (HTK) | U07695 | 1 |
| 2845 ncr4435 | cAMP-specific phosphodiesterase 4D (PDE4DN3 gene) | AJ250854.1 | 1 |
| 2846 seob5963 | RAB23 protein (LOC51715)(HSPC137) | NM_016277.1 | 1 |
| 2847 hfc1709 | Rab3D (rab3d) | AF263366.1 | 1 |
| 2848 MIOA4326a | alpha-amidating monooxygenase | AF010472 | 1 |
| 2849 ncrb4749 | granulin (GRN) | NM_002087.1 | 1 |
| 2850 SEOA5473a | monocyte chemoattractant protein 4 | X98306 | 1 |
| 2851 ncr0262 | uncharacterized hematopoieticstem/progenitor cells protein MDS031 (RefSeq aa 6e-81) | NP_060936.1 | 1 |
| 2852 SEOA6332 | ADP-ribosyltransferase (NAD ; poly (ADP-ribose) polymerase)-like 1 (ADPRTL1) (=D79999 KIAA0177; AF158255 vault protein) | gi5915659 | 1 |
| 2853 FCR0997 | calgizzarin (=D49355 S100C protein; X80201 MLN70) | D38583 | 1 |
| 2854 hfc9703 | ABC transporter umat (ABCB6 gene)(= MT-ABC transporter) | AJ289233.2 | 1 |
| 2855 HFCR2367 | heme-regulated eukaryotic initiation factor 2 alpha kinase (HRI) | AF255050.1 | 1 |
| 2856 ncrb2247 | potassium inwardly-rectifying channel, subfamily K, member 1 (RefSeq aa 5e-52) | NP_002236.1 | 1 |
| 2857 seob3903 | PAK-interacting exchange factor beta (P85SPR) mRNA | NM_003899.1 | 1 |
| 2858 SEOA1173A | Heterochromatin protein 1 gamma | AB030905.1 | 1 |
| 2859 hfc6274 | histone deacetylase 6 (KIAA0901) | NM_006044.1 | 1 |
| 2860 FCR7675 | histone stem-loop binding protein (SLBP) | U75679 | 1 |
| 2861 miob0255 | RecQ protein-like (DNA helicase Q1-like) (RECQL) | NM_002907.1 | 1 |
| 2862 SEOB0058 | CYCLIN A/CDK2-ASSOCIATED PROTEIN P19 (RNA POLYMERASE II ELONGATION FACTOR-LIKE PROTEIN) (ORGAN OF CORTI PROTEIN 2) (OCP-II PROTEIN) (OCP-2) | spP34991 | 1 |
| 2863 ncr6012 | polymerase (RNA) II (DNA directed) polypeptide B (140kD) (RefSeq aa 4e-32) | NP_000929.1 | 1 |
| 2864 FCR6442 | 10kD protein (BC10) | AF053470 | 1 |
| 2865 fcrb2661 | 14-3-3 sigma protein promoter and gene, complete cds | AF029081.1 | 1 |
| 2866 MIOA6772a | 19.5 protein | M32486 | 1 |
| 2867 FCR4272 | 1-aminocyclopropane-1-carboxylate synthase | A35516 | 1 |
| 2868 FCR7508 | 23 kD highly basic protein | X56932 | 1 |
| 2869 hfc9546 | 2-hydroxyacid dehydrogenase | AF113251.1 | 1 |
| 2870 ncr0640 | 2-hydroxyphytanoyl-CoA lyase (RefSeq aa 7e-62) | NP_036392.1 | 1 |
| 2871 MIOA7262a | 3-7 gene product | D64159 | 1 |
| 2872 ncr2857 | 3pv2 and 5p152 genes | sp P39194 | 1 |
| 2873 MIOA8653 | 40 kDa product (=M19503 ORF1; putative) | AAB59367.1 | 1 |
| 2874 FCR4056 | 54TmP (54tm) (=S83365 RAB5-interaction protein) | AF004876 | 1 |
| 2875 seob5054 | 55 kDa protein | AF155658.1 | 1 |
| 2876 hfc1359 | 7h3 protein | AF209931 | 1 |
| 2877 ncr4612 | 88.8 kDa protein | AF225417.1 | 1 |
| 2878 ncr1921 | 959 kb contig between AML1 and CBR1 on chromosome 21q22, segment 3/3 | AJ229043.1 | 1 |
| 2879 miob5749 | ABL (M8604 Met) gene | U07561.1 | 1 |
| 2880 ncr0342 | acetyl LDL receptor; SREC=scavenger receptor expressed by endothelial cells (SREC),(= KIAA0149 gene) | NM_003693.1 | 1 |
| 2881 FCR6915 | acetylserotonin N-methyltransferase-like (ASMTL) (=Y15521) | gi4757793 | 1 |
| 2882 fcr0255 | acid phosphatase type 5 | X14618 | 1 |
| 2883 FCR3595 | Acyl carrier protein, Mitochondrial (ACP) (non-exact 64%) | AC002400 | 1 |
| 2884 HFCR3089 | AD-012 protein (LOC55833) (=AB040924 KIAA1491) | gi8923858 | 1 |

Figure 6A - Continued

| | | | |
|----------------|--|-------------|---|
| 2885 hfc1795 | AD-014 protein | AF150733.1 | 1 |
| 2886 mioa1112m | ADMLX=putative adhesion molecule [human mRNA, 4121 nt, segment 2 of 2]= Kallmann syndrome (KAL)= M97252 | S60088 | 1 |
| 2887 seob5771 | adrenal gland protein AD-002 | AF110775.1 | 1 |
| 2888 ncr2814 | adrenal gland protein AD-004 (RefSeq aa 2e-91) | NP_057367.1 | 1 |
| 2889 MIOA5902a | ANC_2H01 (ORF) | AF003924_1 | 1 |
| 2890 hfc5991 | ancient ubiquitous protein 1(AUP1), mRNA | NM_012103.1 | 1 |
| 2891 ncr6841 | androgen-regulated short-chain dehydrogenase/reductase 1 (ARSDR1) | AF167438.1 | 1 |
| 2892 ncrb5507 | antigen NY-CO-25(NY-CO-25) (=KIAA0201) | AF039695.1 | 1 |
| 2893 hfc6774 | antigen NY-CO-41 (NY-CO-41)(= clone DKFZp586O0821) | AF039701.1 | 1 |
| 2894 FCR0186 | antigen NY-CO-9 (NY-CO-9) (=AB011172 hypothetical protein (KIAA0600)) | AF039691 | 1 |
| 2895 fcrb2292 | antigenic determinant of recA protein (mouse) homolog, clone MGC:29595 IMAGE:5089578, mRNA, complete cds | BC017309.1 | 1 |
| 2896 ncrb0571 | anti-oncogene | M98056.1 | 1 |
| 2897 MIOA4014a | APMCF1 (APMCF1) | AF141882.1 | 1 |
| 2898 ncr4408 | arsenate resistance protein ARS2 arsenite-resistance protein 2 (RefSeq aa 2e-37) | NP_056992.1 | 1 |
| 2899 FCR4099 | arsenite translocating ATPase (ASNA1) (=U60276) | AF047469 | 1 |
| 2900 BFCN0031 | atypical PKC specific binding protein | AB005549 | 1 |
| 2901 MIOB2131 | autonomously replicating sequence (ARS) | L08437.1 | 1 |
| 2902 miob1115 | autosomal dominant polycystic kidney disease type II (clone 23778) | AF054992.1 | 1 |
| 2903 ncr7473 | AV723190 HTB cDNA clone HTBAXA03 5' | AV723190.1 | 1 |
| 2904 ncr8111 | B.subtilis YQJC protein (TR:G1303954) | CAA98118.1 | 1 |
| 2905 seob7577 | B12 protein | M80783.1 | 1 |
| 2906 SEOB0850a | B17 | AF232674.1 | 1 |
| 2907 FCR2167 | B6D2F1(clone 2C11B) | U01139 | 1 |
| 2908 FCR7070 | Bak protein | U23765 | 1 |
| 2909 ncr0304 | BANP homolog (FLJ20538) | NM_017869.1 | 1 |
| 2910 FCR5199 | BCL7B protein | X89985 | 1 |
| 2911 FCR5507 | BCNT | AB009270 | 1 |
| 2912 ncr7050 | beta-ureidopropionase | NM_016327.1 | 1 |
| 2913 ncr7557 | blood-stage membrane protein Ag-1 [Plasmodium yoelii] | AF103869 | 1 |
| 2914 ncr5697 | BNIP3H (BNIP3H) nuclear gene for mitochondrial product | AF255051.1 | 1 |
| 2915 SEOA0870 | Br140 | M91585 | 1 |
| 2916 MIOA0089a | brain 4.1(L) protein (=AB002336 Human KIAA0338) | AB019257.1 | 1 |
| 2917 ncrb1899 | breast adenocarcinoma marker (32kD) (BC-2) | NM_014453.1 | 1 |
| 2918 ncr1022 | BRI3 | AF272043.1 | 1 |
| 2919 HFCR6141 | brother of CDO (BOC) | AY027658.1 | 1 |
| 2920 SEOA4628a | C13F10.4 gene product [Caenorhabditis elegans] | U97006 | 1 |
| 2921 SEOA5809 | C1D protein (nuclear DNA-binding protein) | X95592 | 1 |
| 2922 fcr0195 | C367G8.1 (melanoma antigen P15) (LOC124104) | XM_058771.1 | 1 |
| 2923 MIOA3639a | C43H8.1 gene product | AF098499 | 1 |
| 2924 MIOA2475a | C44E4.5 gene product | AF003140 | 1 |
| 2925 ncrb3647 | C6f mRNA, partial 3'UTR | U72516.1 | 1 |
| 2926 ncrb8474 | calmodulin-like, processed pseudogene (302 bp identical to the 3' untranslated region) (=DKFZp434A012) | M73792.1 | 1 |
| 2927 miob3591 | candidate tumor suppressor protein DICE1 | AF097645.1 | 1 |
| 2928 miob6245 | CDM (=ref[NM_005745.2] accessory proteins BAP31/BAP29) | Z31696.1 | 1 |

Figure 6A - Continued

| | | | |
|----------------|---|-------------|---|
| 2929 mioa9954 | cell-line RPMI 8226 chloride ion current inducer protein I(Cln) gene, | AF232225 | 1 |
| 2930 hfcr1874 | CGI-111 protein (LOC51015) | NM_016048.1 | 1 |
| 2931 MIOA0916a | CGI-113 protein | AF151871.1 | 1 |
| 2932 MIOA0294 | CGI-126 protein | AF151884.1 | 1 |
| 2933 BFCW0371 | chorionic gonadotropin beta subunit | K03189 | 1 |
| 2934 SEOA4518 | choroideremia (ORF) | X78121 | 1 |
| 2935 ncr5781 | Churchill protein | AAG09759.1 | 1 |
| 2936 ncr8259 | citb_173_i_12 | AC005887.3 | 1 |
| 2937 miob1826 | citb_179_n_3 | AC005210.3 | 1 |
| 2938 ncrb4215 | citb_43_a_11, complete sequence | AC005880.3 | 1 |
| 2939 hfcr0827 | citb_79_e_16, complete sequence | AC005881.3 | 1 |
| 2940 MIOA6035 | clock (mouse) homologue (CLOCK) (=AB002332 KIAA0334) | gi4758009 | 1 |
| 2941 ncrb2660 | cn04g01.y1 Normal Human Trabecular Bone Cells cDNA clone NHTBC_cn04g01 random | AI750662.1 | 1 |
| 2942 mioa7878 | CocoaCrisp (LOC83690), mRNA /cds=(85,1587) /gb=NM_031461 /gi=13899302 /ug=Hs.182364 /len=2667 | Hs.182364 | 1 |
| 2943 ncr7666 | COP9 subunit 6 (MOV34 homolog, 34 kD)(RefSeq aa 3e-61) | NP_006824.1 | 1 |
| 2944 BFCS0371 | COX4AL | AF005888 | 1 |
| 2945 MIOA4602a | cp1508.seq.F Human fetal heart, Lambda ZAP Express cDNA 5' | AA248069 | 1 |
| 2946 ncr0395 | CpG island DNA genomic MseI fragment, clone 60h1, reverse read cpg60h1.rt1a | Z61961.1 | 1 |
| 2947 ncr3811 | CpG island DNA genomic MseI fragment, clone 70g11, reverse read cpg70g11.rt1a | Z62622.1 | 1 |
| 2948 hfcr1433 | CSR2 | AB007830.1 | 1 |
| 2949 ncr4774 | CTD-2314M3 | AC026273.7 | 1 |
| 2950 fcrb2124 | CTP synthase (CTPS) | NM_001905.1 | 1 |
| 2951 seoa6830 | CUB and Sushi multiple domains 1 (CSMD1), mRNA /cds=(285,10811) /gb=NM_033225 /gi=15100167 /ug=Hs.123468 /len=11301 | Hs.123468 | 1 |
| 2952 FCR0226 | CX3C chemokine precursor | U84487 | 1 |
| 2953 FCR1657 | cystinosin | AJ222967 | 1 |
| 2954 FCR4892 | cytokine SDF-1-beta (=L36033) | U16752 | 1 |
| 2955 FCR4824 | cytokine-like factor-1 precursor (CLF-1) | AF059293 | 1 |
| 2956 ncr5372 | D15F37 pseudogene, S4 allele | AF041081.1 | 1 |
| 2957 hfcr5198 | D54 isoform (hD54) | AF004429.1 | 1 |
| 2958 hfcr0954 | DAN gene | D89013 | 1 |
| 2959 ncr8901 | dbpB-like protein | L28809.1 | 1 |
| 2960 ncr4332 | DC11 protein (RefSeq aa 3e-63) | NP_064571.1 | 1 |
| 2961 ncr0749 | DC6 protein (RefSeq aa 2e-52) | NP_064574.1 | 1 |
| 2962 FCR4024 | D-dopachrome tautomerase (=U49785; Y11151) | AF058293 | 1 |
| 2963 seob6823 | DEAD (aspartate-glutamate-alanine-aspartate) box polypeptide 6 (Ddx6) | NM_007841.1 | 1 |
| 2964 seob4726 | differentiation-related gene 1 (nickel-specific induction protein) (RTP) | NM_006096.1 | 1 |
| 2965 ncr0747 | dJ1158H2.1 (novel protein similar to D. melanogaster CG11048 and CG8959) | CAC05315.1 | 1 |
| 2966 ncr9217 | dJ28H20.2 (novel protein) | CAC00561.1 | 1 |
| 2967 ncr4545 | dJ671D7.1 (similar to D. melanogaster CG5986 protein) | CAC04152.1 | 1 |
| 2968 ncr4808 | dJ756N5.2 (A novel protein (DKFZp727M231) similar to Trp4-associated protein TAP1 (ABCB2)) | CAC14946.1 | 1 |
| 2969 miob4692 | dJ93K22.1 (novel protein (contains DKFZP564B116)) | AL050333 | 1 |
| 2970 MIOA6053a | Dlgh1 homologue | U93309 | 1 |

Figure 6A - Continued

| | | | |
|----------------|--|-------------|---|
| 2971 mioa9714 | DMBT1 candidate tumour suppressor gene, exons 1 to 55(low match) | AJ243211.1 | 1 |
| 2972 hfc9258 | DMR-N9 myotonic dystrophy kinase (DM kinase) gene | L08835.1 | 1 |
| 2973 BFCW0102n | DNA containing putative Ac-like transposon | Y17156 | 1 |
| 2974 seob5726 | DNA for tob family, complete cds | D78382.1 | 1 |
| 2975 ncr8456 | Down syndrome critical region gene 1-like 1 | NM_005822.1 | 1 |
| 2976 SEOB3485 | down-regulator of transCRiption 1, TBP-binding (negative cofactor 2) (DR1) | NM_001938.1 | 1 |
| 2977 SEOA6654a | DROME TWISTED GASTRULATION PROTEIN PRECURSOR | spP54356 | 1 |
| 2978 ncrb4224 | DSCR5a | AB037162.1 | 1 |
| 2979 ncr1885 | dUTP pyrophosphatase (DUT) | NM_001948.1 | 1 |
| 2980 ncrb4145 | DVS27-related protein | BAA75892.1 | 1 |
| 2981 FCR2684 | DXS8237E (=D50912 hypothetical protein (KIAA0122)) | U35373 | 1 |
| 2982 fCR0558 | dye | U77595 | 1 |
| 2983 ncr6861 | E46 protein | AF119662.1 | 1 |
| 2984 ncr1995 | early B-cell transcription factor (EBF) | AF208502.1 | 1 |
| 2985 hfc9737 | early development regulator 2 (homolog of polyhomeotic 2) (EDR2), mRNA | NM_004427.1 | 1 |
| 2986 FCR0470 | EB1 | U24166 | 1 |
| 2987 fcrb2207 | EF1a-like protein | AF267861.1 | 1 |
| 2988 ncr0103 | endogenous retrovirus H HERV-H/env62 proviral copy, clone 231E12 | AJ289709.1 | 1 |
| 2989 MIOA2421a | endogenous retrovirus HERV-K102 | AF164610.1 | 1 |
| 2990 FCR4040 | endogenous retrovirus type C oncovirus sequence | M74509 | 1 |
| 2991 MIOA0478 | envelope protein | AF164615 | 1 |
| 2992 FCR3559 | EPC-1 (=M76979 PEDF;U29953;M90493) | U57446 | 1 |
| 2993 MIOA2981a | ER1 (=AB033019 KIAA1193) (67% aa) | AF015454 | 1 |
| 2994 hfc8796 | erbB2-interacting protein ERBIN | NM_018695.1 | 1 |
| 2995 FCR5006 | ERp28 protein | X94910 | 1 |
| 2996 mioa0573a | esophageal cancer related gene 4 protein (ECRG4), mRNA /cds=(108,554) /gb=NM_032411 /gi=14165275 /ug=Hs.43125 /len=772 | Hs.43125 | 1 |
| 2997 ncr0927 | ETAA16 protein (RefSeq aa 1e-75) | NP_061875.1 | 1 |
| 2998 SEOA8266 | EXOSTOSIN-1 (PUTATIVE TUMOR SUPPRESSOR PROTEIN EXT1) (MULTIPLE EXOSTOSES PROTEIN 1) | spQ16394 | 1 |
| 2999 mioa9865 | F1D9.26-unknown protein [Arabidopsis thaliana](71%ORF) | BAA97098.1 | 1 |
| 3000 hfc3518 | faciogenital dysplasia (Aarskog-Scott syndrome) (FGD1), mRNA | NM_004463.1 | 1 |
| 3001 fcrb2575 | f-box and leucine-rich repeat protein 11 (FBXL11), mRNA | XM_040025.2 | 1 |
| 3002 fcrb2622 | f-box and leucine-rich repeat protein 3A (FBXL3A), mRNA | NM_012158.1 | 1 |
| 3003 fcrb1550 | FEZ2 protein (FEZ2) | AF113124.1 | 1 |
| 3004 miob4712 | fgr proto-oncogene encoded p55-c-fgr protein | M19722.1 | 1 |
| 3005 SEOA2784 | FH1/FH2 domain-containing protein FHOS (FHOS) | AF113615.1 | 1 |
| 3006 ncr8903 | FLAME-1 | AAB70909.1 | 1 |
| 3007 SEOA0424n | fosB | X14897 | 1 |
| 3008 hfc92314 | FT005 protein (FT005) | NM_014054.1 | 1 |
| 3009 mioa7908 | fused in glioblastoma mRNA, complete cds /cds=(207,1571) /gb=AY033606 /gi=14289128 /ug=Hs.23120 /len=4567 | Hs.23120 | 1 |
| 3010 fcrb1547 | FXD domain-containing ion transport regulator 6 (FXD6) | NM_022003.1 | 1 |
| 3011 ncr4466 | G antigen 1 | XP_010196.1 | 1 |

Figure 6A - Continued

| | | | |
|----------------|--|-------------|---|
| 3012 ncr4503 | G9011 gene product | AAF52302.2 | 1 |
| 3013 FCR0149 | ganglioside-induced differentiation associated protein 3 | Y17852 | 1 |
| 3014 ncr4647 | GASC-1 | AB037901.1 | 1 |
| 3015 ncr7131 | gcp372 | BAA05025.1 | 1 |
| 3016 MIOA5614a | GEC-1 (gec-1) | AF012920 | 1 |
| 3017 FCR2660 | GEF-2 | AB003515 | 1 |
| 3018 MIOA4196 | GEG-154 mRNA | X71642 | 1 |
| 3019 miob4581 | gene 33 polypeptide | M23572.1 | 1 |
| 3020 ncr5066 | gene encoding HLA-Cw6 | Z22754.1 | 1 |
| 3021 ncr8733 | gene_id:F1D9.26~unknown protein | AP002460 | 1 |
| 3022 seoa8004 | GILZ, complete cds /cds=(233,637) /gb=AB025432 /gi=11527558 /ug=Hs.75450 /len=2028 | Hs.75450 | 1 |
| 3023 ncr7411 | GK001 protein (GK001), | NM_020198.1 | 1 |
| 3024 ncr3856 | GK003 (GK003) | AF226046.1 | 1 |
| 3025 ncr5565 | GL002 protein (GL002) | NM_020193.1 | 1 |
| 3026 SEOA0023 | golgi antigen gcp372 | D25542.1 | 1 |
| 3027 hfcr7558 | GSTmu3 gene for a glutathione S-transferase Mu class protein | X56838.1 | 1 |
| 3028 hfcr3729 | Gx protein | AF120103.1 | 1 |
| 3029 SEOA5848 | hamartin (TSC1) | AF013168 | 1 |
| 3030 miob6419 | haplotype D6 beta-globin (HBB) gene, replication origin initiation region and partial cds | AF186620.1 | 1 |
| 3031 ncr5245 | hBKLF for basic kruppel like factor (LOC51274) | NM_016531.1 | 1 |
| 3032 ncr3702 | HBV associated factor(XAP4) | NM_006462.1 | 1 |
| 3033 ncr4790 | HC71C | AF177343.1 | 1 |
| 3034 seoa0102m | hCDC10=CDC10 homolog | S72008 | 1 |
| 3035 SEOA4398a | hcgVIII protein | X92110 | 1 |
| 3036 seoa7681a | HCMOGT-1 mRNA for sperm antigen, complete cds /cds=(144,2423) /gb=AB041533 /gi=10798803 /ug=Hs.15053 /len=2725 | Hs.15053 | 1 |
| 3037 seob4079 | HDCMB12P | AF067802.1 | 1 |
| 3038 ncr8865 | HDCMC04P | AF067804.1 | 1 |
| 3039 fcrb1380 | HDCMC28P protein (HDCMC28P) | NM_016649.1 | 1 |
| 3040 ncr6841 | HELG protein (HELG) | NM_018412.1 | 1 |
| 3041 ncr7789 | hematopoietic stem/progenitor cells protein MDS027 (MDS027), mRNA | NM_018462.1 | 1 |
| 3042 hfcr2505 | HF.12 gene | X07290.1 | 1 |
| 3043 ncrb2992 | HGTD-P (HGTD-P) (=E2IG5) | AF201944.1 | 1 |
| 3044 FCR6811 | HIS1 protein | AB021179 | 1 |
| 3045 FCR7667 | hMSH6 | U73737 | 1 |
| 3046 mioa9630 | homolog of yeast mutL (hPMS1) gene | U13695.1 | 1 |
| 3047 SEOA5544a | hook1 protein (69% aa) | AF044923 | 1 |
| 3048 fcrb2552 | HOTTL protein mRNA, complete cds | AF078842.1 | 1 |
| 3049 FCR5222 | HPBR11-4 | X67337 | 1 |
| 3050 FCR2079 | hSLK (=D86959 hypothetical protein (KIAA0204)) | AB002804 | 1 |
| 3051 ncr5717 | HSPC006 | AF070662.1 | 1 |
| 3052 fcrb2545 | HSPC009 protein (HSPC009), mRNA | NM_014019.1 | 1 |
| 3053 SEOB1891 | HSPC028 | AF083246.1 | 1 |
| 3054 ncr6495 | HSPC030 | AF085359.1 | 1 |
| 3055 SEOA4727a | HSPC031 mRNA,=CGI-37 protein (ORF) | AF085360 | 1 |
| 3056 seob6558 | HSPC038 protein (LOC51123) | NM_016096.1 | 1 |
| 3057 ncr9159 | HSPC040 protein (RefSeq aa 1e-58) | NP_057182.1 | 1 |
| 3058 MIOA3673a | HSPC042 protein (contains Alu repeat) | AF125096.1 | 1 |
| 3059 hfcr6628 | HSPC049 protein (HSPC049) | NM_014149.1 | 1 |
| 3060 SEOB2148 | HSPC055 protein (HSPC055) (=FLJ11007 fis) | NM_014153.1 | 1 |
| 3061 ncr3624 | HSPC056 protein (HSPC056) | NM_014154.1 | 1 |
| 3062 hfcr0731 | HSPC059 protein (HSPC059) | NM_016536.1 | 1 |
| 3063 SEOB0339 | HSPC071 | AF161556.1 | 1 |

Figure 6A - Continued

| | | | |
|----------------|--|-------------|---|
| 3064 ncr2401 | HSPC092 | AF161355.1 | 1 |
| 3065 ncr2393 | HSPC093 (aa 9e-13,65%) | AAF28916.1 | 1 |
| 3066 SEOB0008 | HSPC121 (=B-ind1 protein) | AAF29085.1 | 1 |
| 3067 SEOA3694a | HSPC125 | AF161474 | 1 |
| 3068 ncrb3317 | HSPC126 protein (RefSeq aa 4e-46) | NP_054885.1 | 1 |
| 3069 ncrb7667 | HSPC140 (=SUMO-1-activating enzyme E1 N subunit (SUA1)) | AF161489.1 | 1 |
| 3070 fcrb1489 | HSPC141 protein (HSPC141)(= sex-regulated protein janus-a mRNA) | XM_038043.1 | 1 |
| 3071 ncr0859 | HSPC144 protein (RefSeq aa 1e-69) | NP_054893.1 | 1 |
| 3072 hfcr0010 | HSPC145 | AF161494.1 | 1 |
| 3073 MIOA8810 | HSPC151 | AAF29115.1 | 1 |
| 3074 miob4037 | HSPC154 protein (HSPC154) | NM_014177.1 | 1 |
| 3075 SEOB0375 | HSPC155 | AF161504.1 | 1 |
| 3076 ncr4859 | HSPC160 protein (RefSeq aa 5e-77) | NP_054901.1 | 1 |
| 3077 fcrb1801 | HSPC164 | XM_009549.4 | 1 |
| 3078 ncr0292 | HSPC173 mRNA, | AF161521.1 | 1 |
| 3079 ncrb1519 | HSPC174 | AF161522.1 | 1 |
| 3080 fcrb1940 | HSPC176 | AF161524.1 | 1 |
| 3081 seoa6772 | HSPC177 | BC016698.1 | 1 |
| 3082 ncr9108 | HSPC182 protein (HSPC182) | NM_014188.1 | 1 |
| 3083 SEOB2149 | HSPC184 | AF151018.1 | 1 |
| 3084 ncr9324 | HSPC187 | AF151021.1 | 1 |
| 3085 hfcr9283 | HSPC197 | AF151031.1 | 1 |
| 3086 hfcr6243 | HSPC199 | AF151033.1 | 1 |
| 3087 ncrb2108 | HSPC209 | AF151043.1 | 1 |
| 3088 MIOA3471a | HSPC210 | AF151044 | 1 |
| 3089 miob0167 | HSPC212 | AF151046.1 | 1 |
| 3090 SEOB1748 | HSPC235 | AF151069.1 | 1 |
| 3091 ncr5613 | HSPC240 | AF151074.1 | 1 |
| 3092 SEOB0394 | HSPC245 | AF151079.1 | 1 |
| 3093 SEOA8750 | HSPC261 (=DKFZp564B0769.1) | AAF28939.1 | 1 |
| 3094 ncr4383 | HSPC273 (=KIAA1192) | AF161391.1 | 1 |
| 3095 ncrb4620 | HSPC274 protein (RefSeq aa 1e-38) | NP_054864.1 | 1 |
| 3096 ncr3927 | HSPC299 | AF161417.1 | 1 |
| 3097 ncr8171 | HSPC301 | AF161419.1 | 1 |
| 3098 ncrb5909 | HSPC306 | AF161424.1 | 1 |
| 3099 ncr9877 | HSPC311 | AF161429.1 | 1 |
| 3100 SEOB1187 | HSPC331 (=SPF31) | AAF29009.1 | 1 |
| 3101 fcrb0376 | HT002 protein (HT002) | NM_014066.1 | 1 |
| 3102 HFCR3149 | HT015 protein (HT015) | AF223466.1 | 1 |
| 3103 FCR0706 | HU-K4 | U60644 | 1 |
| 3104 hfcr0963 | human homolog of a mouse imprinted gene | AB006625 | 1 |
| 3105 ncr6376 | HUT11 protein mRNA, partial 3' UTR | AF263545.1 | 1 |
| 3106 ncr8856 | hydroxyacyl-Coenzyme A dehydrogenase/3-ketoacyl-Coenzyme A thiolase/enoyl-Coenzyme A hydratase (trifunctional protein), beta subunit (HADHB) | NM_000183.1 | 1 |
| 3107 ncr7595 | hypothalamus protein HBEX2 | XP_010123.1 | 1 |
| 3108 SEOA7223a | hypothalamus protein HT001 (=AF225981 calcium transport ATPase ATP2C1) | AF113539 | 1 |
| 3109 ncr9055 | hypothetical brain protein similar to X96994 BR-1 protein (Helix pomatia) (LOC56412) | NM_019836.1 | 1 |
| 3110 seoa1028m | hypothetical garp protein | CAB63561.1 | 1 |
| 3111 seoa8075 | hypothetical gene (AK026938 (LOC91933)) | XM_041609.2 | 1 |
| 3112 fcrb2150 | hypothetical gene (AL137319; NM_017586) (LOC115423) | XM_011838.3 | 1 |
| 3113 fcr5736 | hypothetical gene (BC009875; BC014023 (LOC115010)) | XM_055021.1 | 1 |
| 3114 fcrb2120 | hypothetical gene (LOC87167) | XM_016787.2 | 1 |

Figure 6A - Continued

| | | | |
|----------------|--|-------------|---|
| 3115 fcrb1451 | hypothetical gene (LOC87240) | XM_015947.2 | 1 |
| 3116 fcrb2133 | hypothetical gene (LOC96648) | XM_055006.1 | 1 |
| 3117 fcrb1345 | hypothetical gene AK023725 (LOC92923) | XM_048072.1 | 1 |
| 3118 fcrb2307 | hypothetical gene supported by AF055004 (LOC93477), mRNA | XM_051593.3 | 1 |
| 3119 fcrb2353 | hypothetical gene supported by AF132973; BC000589; BC009189; NM_015965 (LOC112763), mRNA | XM_048487.3 | 1 |
| 3120 seoa4973a | hypothetical gene supported by AF267861; AK026650 (LOC88021), mRNA | XM_016170.4 | 1 |
| 3121 seoa4964a | hypothetical gene supported by AK027830; AL137274 (LOC126897), mRNA | XM_072050.1 | 1 |
| 3122 fcrb2693 | hypothetical gene supported by AL096738; BC013144 (LOC115576), | XM_047202.2 | 1 |
| 3123 fcrb2320 | hypothetical gene supported by AL137544 (LOC90025), mRNA | XM_028218.2 | 1 |
| 3124 fcrb2350 | hypothetical gene supported by BC008765 (LOC130852), mRNA | XM_059474.1 | 1 |
| 3125 fcrb2474 | hypothetical gene supported by BC009329 (LOC121573), mRNA | XM_071761.1 | 1 |
| 3126 fcrb2305 | hypothetical gene supported by BC009875; BC014023 (LOC138327), mRNA | XM_072528.1 | 1 |
| 3127 fcrb2331 | hypothetical gene supported by D38441; AF141383; BC000362; BC001826; NM_001640 (LOC95915), mRNA | XM_002828.5 | 1 |
| 3128 fcr3149 | hypothetical gene supported by U60644 (LOC126527) | XM_047409.2 | 1 |
| 3129 ncr3706 | hypothetical gene supported by XM_000590 (LOC59176) | XM_000590.1 | 1 |
| 3130 mioa7859 | hypothetical gene supported by XM_059059 (LOC126616), mRNA | XM_059059.1 | 1 |
| 3131 seoa8017 | hypothetical gene supported by Y10313; BC001272; NM_001550 (LOC95049), mRNA | XM_011551.5 | 1 |
| 3132 ncr4218 | hypothetical protein | B34087 | 1 |
| 3133 ncr6741 | hypothetical protein | CAB43380.1 | 1 |
| 3134 ncr3596 | hypothetical protein | CAB55973.1 | 1 |
| 3135 ncr4875 | hypothetical protein | CAB70761.1 | 1 |
| 3136 ncr1168 | hypothetical protein (aa 2e-27) | NP_062551.1 | 1 |
| 3137 fcrb2118 | hypothetical protein (CL25084) | XM_056548.1 | 1 |
| 3138 seoa8161 | hypothetical protein (LOC51060), mRNA | XM_045762.1 | 1 |
| 3139 seoa8108 | hypothetical protein (LOC51255), mRNA /cds=(0,461) /gb=NM_016494 /gi=7706038 /ug=Hs.11156 /len=462 | Hs.11156 | 1 |
| 3140 ncr6332 | hypothetical protein (LOC51315) | NM_016618.1 | 1 |
| 3141 fcrb1580 | hypothetical protein (MGC4175) | XM_016063.2 | 1 |
| 3142 fcrb1560 | hypothetical protein (MGC4415) | XM_050738.2 | 1 |
| 3143 ncr7926 | Hypothetical protein (non-exact 37-54% a.a.) | NP_061952.1 | 1 |
| 3144 mioa1183m | hypothetical protein (ORF)(48%) | AL050011 | 1 |
| 3145 ncr9947 | hypothetical protein (RefSeq aa 2e-38) | NP_056198.1 | 1 |
| 3146 ncr4996 | hypothetical protein (RefSeq aa 2e-60) | NP_057280.1 | 1 |
| 3147 ncr0573 | hypothetical protein (RefSeq aa 3e-61) | NP_056999.1 | 1 |
| 3148 ncr5907 | hypothetical protein (RefSeq aa 5e-50) | NP_057169.1 | 1 |
| 3149 ncr1593 | hypothetical protein (RefSeq aa 5e-63) | NP_056158.1 | 1 |
| 3150 ncrb8383 | hypothetical protein (RefSeq aa 9e-33) | NP_057711.1 | 1 |
| 3151 ncr6015 | hypothetical protein (RefSeq aa 9e-43) | NP_057701.1 | 1 |
| 3152 fcrb1775 | hypothetical protein (XP_029545) | XP_029545.1 | 1 |
| 3153 ncrb7994 | hypothetical protein ASH1 (RefSeq aa 2e-68) | NP_060959.1 | 1 |
| 3154 mioa0347m | hypothetical protein clone 24952 mRNA | AF131758 | 1 |
| 3155 ncr5310 | hypothetical protein HDCMC04P | XP_004843.1 | 1 |
| 3156 fcrb2746 | hypothetical protein IMAGE3455200 (IMAGE3455200), mRNA | NM_024006.1 | 1 |

Figure 6A - Continued

| | | | |
|----------------|---|-------------|---|
| 3157 fcrb2460 | hypothetical protein MGC10753 (MGC10753), mRNA | NM_016628.1 | 1 |
| 3158 seoa7983 | hypothetical protein MGC10947 (MGC10947), mRNA /cds=(906,1223) /gb=NM_032674 /gi=14249241 /ug=Hs.326740 /len=2090 | Hs.326740 | 1 |
| 3159 mioa7637a | hypothetical protein MGC14433 (MGC14433), mRNA /cds=(174,326) /gb=NM_032904 /gi=14249675 /ug=Hs.83572 /len=1797 | Hs.83572 | 1 |
| 3160 fcrb2163 | hypothetical protein MGC14833 (MGC14833) | XM_042640.1 | 1 |
| 3161 seoa7856a | hypothetical protein MGC2217 (MGC2217), mRNA /cds=(192,449) /gb=NM_024300 /gi=13236525 /ug=Hs.323164 /len=1669 | Hs.323164 | 1 |
| 3162 fcrb2671 | hypothetical protein MGC2744, clone MGC:4371 IMAGE:2823004, mRNA, complete cds | BC019324.1 | 1 |
| 3163 seoa7049 | hypothetical protein MGC2827 (MGC2827), mRNA /cds=(189,935) /gb=NM_023940 /gi=13027611 /ug=Hs.8035 /len=1988 | Hs.8035 | 1 |
| 3164 fcrb2102 | hypothetical protein MGC3178 (MGC3178) | XM_037853.1 | 1 |
| 3165 fcrb2034 | hypothetical protein MGC3200 (MGC3200) | XM_034630.1 | 1 |
| 3166 seoa4929a | hypothetical protein MGC3251 (MGC3251), mRNA /cds=(93,797) /gb=NM_032016 /gi=14042926 /ug=Hs.13467 /len=1591 | Hs.13467 | 1 |
| 3167 fcrb1353 | hypothetical protein MGC4174 (MGC4174) | XM_018439.2 | 1 |
| 3168 fcrb2449 | hypothetical protein MGC5306 (MGC5306), mRNA | XM_048376.1 | 1 |
| 3169 mioa7650a | hypothetical protein similar to mouse Dnajl1 (DNAJL1), mRNA /cds=(202,1224) /gb=NM_022365 /gi=11641286 /ug=Hs.13015 /len=1350 | Hs.13015 | 1 |
| 3170 ncr3165 | HYPOTHETICAL PROTEIN ZAP3 | P49750 | 1 |
| 3171 seoa4957a | hypothetical protein, clone MGC:19514 IMAGE:4040098, mRNA, complete cds | BC011720.1 | 1 |
| 3172 seoa4901a | hypothetical protein, clone MGC:20386 IMAGE:4564286, mRNA, complete cds | BC015919.1 | 1 |
| 3173 ncrb8569 | hypothetical protein, expressed in osteoblast (GS3686) | NM_006820.1 | 1 |
| 3174 mioa7844a | I factor (complement) (IF), mRNA /cds=(14,1765) /gb=NM_000204 /gi=4504578 /ug=Hs.36602 /len=1963 | Hs.36602 | 1 |
| 3175 ncrb3298 | ID YG39-2B | AJ227863.1 | 1 |
| 3176 ncr39481 | IFI16b (IFI16b) | AF208043.1 | 1 |
| 3177 ncr36994 | IkB kinase-b(IKK-beta) mRNA, complete cds | AF080158.1 | 1 |
| 3178 ncr4680 | IL0-CT0080-030899-107-c07 CT0080 | AW062569.1 | 1 |
| 3179 seoa8050 | I-mfa domain-containing protein (HIC), mRNA | XM_041273.1 | 1 |
| 3180 MIOA9007 | implantation-associated protein (IAG2) (ORF) | AF008554 | 1 |
| 3181 SEOB0625 | INE2 | Y10697.1 | 1 |
| 3182 ncr9961 | infant brain mRNA, clone 13cDNA65 | U57962.1 | 1 |
| 3183 SEOA5833 | ING1Lp | AB012853.1 | 1 |
| 3184 FCR5123 | inner mitochondrial membrane translocase Tim1+D23777b, nuclear gene encoding mitochondrial protein (=AF077039) | AF034790 | 1 |
| 3185 seob5812 | insulin induced gene 1 (INSIG1) | NM_005542.1 | 1 |
| 3186 hfcr3552 | integrative vector pRS306 with URA3 marker, complete sequence | U03438.1 | 1 |
| 3187 ncrb0299 | interferon-induced, hepatitis C-associated microtubular aggregate protein (44kD) (MTAP44) | NM_006417.1 | 1 |
| 3188 ncr1802 | intracisternal A particle-promoted polypeptide (IPP) | NM_005897.1 | 1 |
| 3189 seoa4925a | IRA1 mRNA, complete cds, alternatively spliced /cds=(160,1704) /gb=AF268193 /gi=12006103 /ug=Hs.315111 /len=3885 | Hs.315111 | 1 |
| 3190 hfcr7411 | Isoform 1 from chromosome 22 | AL359401.1 | 1 |

Figure 6A - Continued

| | | | |
|----------------|---|-------------|---|
| 3191 hfc9573 | isoform 2 of a novel human mRNA from chromosome 22(=Isoform 1 of a novel human mRNA from chromosome 22) | AL160112.1 | 1 |
| 3192 hfc93893 | ITBA2 protein(ORF) | X92896.1 | 1 |
| 3193 MIOA8594 | J domain containing protein 1 isoform a | AAD52650.1 | 1 |
| 3194 fcrb2156 | JAZF1 (JJAZ1) | XM_050093.1 | 1 |
| 3195 seob4537 | jerky (mouse) homolog-like (JRKL) | NM_003772.1 | 1 |
| 3196 ncr3587 | kappa B-ras | AF229839.1 | 1 |
| 3197 SEOB0034 | KFZp586B1821 | AL133114.1 | 1 |
| 3198 SEOA0353 | KH domain RNA binding protein QKI-5B | AF090403.1 | 1 |
| 3199 FCR4566 | KIAA0008 | D13633 | 1 |
| 3200 SEOB1269 | KIAA0013 | D87717.1 | 1 |
| 3201 ncr6749 | KIAA0020 gene product (KIAA0020) | NM_014878.1 | 1 |
| 3202 SEOA7926a | KIAA0029 | D21852 | 1 |
| 3203 MIOB1520 | KIAA0033 | D26067.1 | 1 |
| 3204 ncrb8204 | KIAA0035 gene | D21262.1 | 1 |
| 3205 ncr0829 | KIAA0051 gene | D29640.1 | 1 |
| 3206 ncrb8638 | KIAA0052 protein, partial cds | D29641.2 | 1 |
| 3207 seob5711 | KIAA0063 gene product (KIAA0063) | NM_014876.1 | 1 |
| 3208 ncr1595 | KIAA0078 gene | D38551.1 | 1 |
| 3209 hfc8902 | KIAA0088 gene, partial cds | D42041.1 | 1 |
| 3210 ncr1523 | KIAA0089 gene | D42047.1 | 1 |
| 3211 hfc9122 | KIAA0091 gene | D42053.1 | 1 |
| 3212 FCR1992 | KIAA0096 | D43636 | 1 |
| 3213 MIOA3503a | KIAA0098 (chaperonin containing TCP-1) | D43950 | 1 |
| 3214 FCR4376 | KIAA0101 | D14657 | 1 |
| 3215 seoa0993m | KIAA0108 (golgi 4-transmembrane spanning transporter MTP) | D14696 | 1 |
| 3216 ncr6142 | KIAA0109 gene | D63475.1 | 1 |
| 3217 FCR6801 | KIAA0110 | D14811 | 1 |
| 3218 fcrb2054 | KIAA0123 protein (KIAA0123) | XM_054752.1 | 1 |
| 3219 FCR0419 | KIAA0150 | D63484 | 1 |
| 3220 FCR2220 | KIAA0154 | D63876 | 1 |
| 3221 ncrb3363 | KIAA0157 gene, partial | D63877.1 | 1 |
| 3222 ncr3121 | KIAA0171 gene product (KIAA0171) | NM_014666.1 | 1 |
| 3223 MIOA2696a | KIAA0184 | D80006 | 1 |
| 3224 ncr5488 | KIAA0190 gene | D80012.1 | 1 |
| 3225 seob5100 | KIAA0193 gene product (KIAA0193) | NM_014766.1 | 1 |
| 3226 SEOA4128a | KIAA0197 gene | D83781 | 1 |
| 3227 hfc7277 | KIAA0200 gene | NM_014757.1 | 1 |
| 3228 hfc7098 | KIAA0220 | D86974.1 | 1 |
| 3229 hfc1793 | KIAA0224 | NM_014003.1 | 1 |
| 3230 MIOA1049 | KIAA0240 | D87077 | 1 |
| 3231 seoa8018 | KIAA0247 gene product (KIAA0247), mRNA /cds=(268,1179) /gb=NM_014734 /gi=7662019 /ug=Hs.82426 /len=5338 | Hs.82426 | 1 |
| 3232 ncrb8515 | KIAA0257 gene, partial cds | D87446.1 | 1 |
| 3233 ncr3313 | KIAA0259 | D87448.1 | 1 |
| 3234 fcrb1635 | KIAA0263 protein | D87452.1 | 1 |
| 3235 ncr3016 | KIAA0268 gene | D87742.1 | 1 |
| 3236 ncr7712 | KIAA0271 gene | D87461 | 1 |
| 3237 seoa6776 | KIAA0280 gene, partial cds /cds=UNKNOWN /gb=D87470 /gi=1665822 /ug=Hs.75400 /len=6837 | Hs.75400 | 1 |
| 3238 SEOA9690 | KIAA0281 gene product | NM_014800.1 | 1 |
| 3239 ncr1982 | KIAA0286 gene | AB006624.1 | 1 |
| 3240 ncr3258 | KIAA0290 (non-exact match 80% a.a.) | BAA22959.1 | 1 |
| 3241 miob1126 | KIAA0294 | NM_014629.1 | 1 |
| 3242 seob6871 | KIAA0297 gene | AB002295.1 | 1 |
| 3243 ncr7456 | KIAA0301 gene | AB002299.1 | 1 |

Figure 6A - Continued

| | | | | |
|------|-----------|---|-------------|---|
| 3244 | ncr4590 | KIAA0305 gene product (RefSeq aa 2e-32) | NP_055548.1 | 1 |
| 3245 | hfc9170 | KIAA0323 gene | AB002321.1 | 1 |
| 3246 | FCR1204 | KIAA0337 | AB002335 | 1 |
| 3247 | FCR4727 | KIAA0361 | AB002359 | 1 |
| 3248 | FCR3389 | KIAA0365 | AB002363 | 1 |
| 3249 | seob8196 | KIAA0367 | AB002365.1 | 1 |
| 3250 | MIOB1493 | KIAA0373 | AB002371.1 | 1 |
| 3251 | ncr1550 | KIAA0391 gene product (RefSeq aa 2e-31) | NP_055487.1 | 1 |
| 3252 | hfc8485 | KIAA0393 | AB002391.2 | 1 |
| 3253 | SEOB0783a | KIAA0395 | AB007855.1 | 1 |
| 3254 | fcrb1945 | KIAA0397 gene product (KIAA0397) | XM_029438.1 | 1 |
| 3255 | ncrc4654 | KIAA0399 | AB007859.2 | 1 |
| 3256 | FCR2641 | KIAA0402 | AB007862 | 1 |
| 3257 | FCR6224 | KIAA0405 | AB007865 | 1 |
| 3258 | hfc6689 | KIAA0407 | AB007867.1 | 1 |
| 3259 | ncrc4399 | KIAA0409 | AB007869.1 | 1 |
| 3260 | SEOA4055 | KIAA0416 | AB007876 | 1 |
| 3261 | hfc9090 | KIAA0418 gene | NM_014631.1 | 1 |
| 3262 | MIOA6690a | KIAA0430 | AB007890 | 1 |
| 3263 | FCR5679 | KIAA0437 | AB007897 | 1 |
| 3264 | SEOA1080a | KIAA0441 | AB007901 | 1 |
| 3265 | ncrc2796 | KIAA0442 | AB007902.1 | 1 |
| 3266 | FCR6876 | KIAA0445 | AB007914 | 1 |
| 3267 | MIOA8742 | KIAA0469 | AB007938 | 1 |
| 3268 | MIOA9025 | KIAA0473 gene product | NM_014787.1 | 1 |
| 3269 | FCR4804 | KIAA0487 chromosome 1 specific transCRipt) | AB007956 | 1 |
| 3270 | ncr7136 | KIAA0494 | NM_014774.1 | 1 |
| 3271 | SEOA9377 | KIAA0511 protein | AB011083 | 1 |
| 3272 | MIOA8733 | KIAA0516 | BAA25442.1 | 1 |
| 3273 | seob7463 | KIAA0517 protein | AB011089.1 | 1 |
| 3274 | ncr7815 | KIAA0518 (=mouse Mad5) | AB011090.1 | 1 |
| 3275 | FCR6427 | KIAA0524 | AB011096 | 1 |
| 3276 | SEOB1968 | KIAA0528 | AB011100.2 | 1 |
| 3277 | FCR6691 | KIAA0529 | AB011101 | 1 |
| 3278 | seob6008 | KIAA0532 | AB011104.1 | 1 |
| 3279 | SEOA1559 | KIAA0536 | AB011108 | 1 |
| 3280 | ncrc2701 | KIAA0538 protein, partial cds | AB011110.2 | 1 |
| 3281 | SEOA9160 | KIAA0549 protein | AB011121 | 1 |
| 3282 | MIOA8872 | KIAA0554 (=DKFZp564O1116) | AB011126 | 1 |
| 3283 | MIOA7215a | KIAA0565 | AB011137 | 1 |
| 3284 | SEOB0241 | KIAA0584 | AB011156.1 | 1 |
| 3285 | FCR3593 | KIAA0593 | AB011165 | 1 |
| 3286 | hfc6541 | KIAA0601 | AB011173.1 | 1 |
| 3287 | FCR5630 | KIAA0608 | AB011180 | 1 |
| 3288 | MIOA5427a | KIAA0614 | AB014514 | 1 |
| 3289 | FCR1555 | KIAA0615 | AB014515 | 1 |
| 3290 | miob5967 | KIAA0621 | NM_015071.1 | 1 |
| 3291 | ncrc5061 | KIAA0625 | AB014525.1 | 1 |
| 3292 | ncrb7657 | KIAA0627 protein | AB014527.1 | 1 |
| 3293 | SEOA1803a | KIAA0628 | AB014528 | 1 |
| 3294 | MIOA8275 | KIAA0643 | AB014543 | 1 |
| 3295 | FCR3445 | KIAA0644 | AB014544 | 1 |
| 3296 | seob6066 | KIAA0647 protein | AB014547.1 | 1 |
| 3297 | FCR3857 | KIAA0649 (=L11910 retinoblastoma susceptibility gene) | AB014549 | 1 |
| 3298 | ncr6148 | KIAA0650 | AB014550.1 | 1 |
| 3299 | FCR0291 | KIAA0652 | AB014552 | 1 |
| 3300 | hfc0717 | KIAA0657 protein | AB014557.1 | 1 |
| 3301 | ncr2700 | KIAA0658 | AB014558 | 1 |

Figure 6A - Continued

| | | | |
|----------------|--|-------------|---|
| 3302 ncrb0664 | KIAA0668 protein | AB014568.1 | 1 |
| 3303 FCR7684 | KIAA0669 | AB014569 | 1 |
| 3304 mioa9523 | KIAA0677 gene product (KIAA0677) | NM_014663.1 | 1 |
| 3305 SEOA9538 | KIAA0678 | AB014578 | 1 |
| 3306 seob4584 | KIAA0690 protein | AB014590.1 | 1 |
| 3307 fcrb2257 | KIAA0700 protein (KIAA0700) | XM_050561.2 | 1 |
| 3308 mioa7728a | KIAA0707 protein, partial cds /cds=UNKNOWN /gb=AB014607 /gi=3327227 /ug=Hs.234786 /len=6359 | Hs.234786 | 1 |
| 3309 MIOA0937 | KIAA0714 | AB018257.1 | 1 |
| 3310 MIOA8925 | KIAA0721 | AB018264.1 | 1 |
| 3311 hfcr6501 | KIAA0726 | NM_014718.1 | 1 |
| 3312 ncr0761 | KIAA0733 | AB018276.1 | 1 |
| 3313 FCR5029 | KIAA0737 | AB018280 | 1 |
| 3314 ncr3391 | KIAA0742 | AB018285.1 | 1 |
| 3315 fcrb2169 | KIAA0752 protein (KIAA0752) | XM_040324.1 | 1 |
| 3316 mioa9804 | KIAA0758 protein | AB018301 | 1 |
| 3317 hfcr2148 | KIAA0764 | NM_014860.1 | 1 |
| 3318 hfcr3435 | KIAA0774 | AB018317.1 | 1 |
| 3319 miob3465 | KIAA0781 | AB018324.1 | 1 |
| 3320 SEOA8239 | KIAA0784 | AB018327.1 | 1 |
| 3321 ncr8153 | KIAA0788 | AB018331.1 | 1 |
| 3322 ncrb0773 | KIAA0790 protein | AB018333.1 | 1 |
| 3323 fcrb2738 | KIAA0795 protein (KIAA0795), mRNA | XM_016166.3 | 1 |
| 3324 ncrb4536 | KIAA0798 gene product (KIAA0798) | NM_014650.1 | 1 |
| 3325 ncrc9530 | KIAA0801 gene product (RefSeq aa 3e-73) | NP_055644.1 | 1 |
| 3326 ncrc5405 | KIAA0823 protein, partial cds | AB020630.1 | 1 |
| 3327 seob5423 | KIAA0826 | AB020633 | 1 |
| 3328 SEOA0116 | KIAA0831 | AB020638.1 | 1 |
| 3329 ncrb1314 | KIAA0836 protein | AB020643.1 | 1 |
| 3330 hfcr4063 | KIAA0840 protein | AB020647.1 | 1 |
| 3331 ncrc9351 | KIAA0856 | AB020663.1 | 1 |
| 3332 seob4545 | KIAA0857 protein (=DKFZp434H018) | AB020664.1 | 1 |
| 3333 ncrb8091 | KIAA0859 | AB020666.2 | 1 |
| 3334 FCR4582 | KIAA0860 | AB020667 | 1 |
| 3335 ncrb2131 | KIAA0866 protein | AB020673.1 | 1 |
| 3336 miob0189 | KIAA0867 | NM_014938.1 | 1 |
| 3337 ncrc7173 | KIAA0874 | AB020681.1 | 1 |
| 3338 SEOA3633a | KIAA0878 (contains Alu repeat) | AB020685.1 | 1 |
| 3339 SEOB1411 | KIAA0879 protein (KIAA0879) | NM_014936.1 | 1 |
| 3340 SEOA4783a | KIAA0883 | AB020690 | 1 |
| 3341 ncrc0090 | KIAA0887 protein, | AB020694.1 | 1 |
| 3342 seob1054 | KIAA0890 protein (KIAA0890) | NM_014966.1 | 1 |
| 3343 hfcr2740 | KIAA0892 | AB020699.1 | 1 |
| 3344 MIOA2172a | KIAA0898 | AB020705.1 | 1 |
| 3345 hfcr7808 | KIAA0908 protein | AB020715.1 | 1 |
| 3346 ncr5822 | KIAA0912 | AB020719.1 | 1 |
| 3347 hfcr0237 | KIAA0922 | AB023139.1 | 1 |
| 3348 SEOA6172a | KIAA0923 | AB023140.1 | 1 |
| 3349 MIOA9103 | KIAA0926 protein (KIAA0926), | NM_014922.1 | 1 |
| 3350 HFCR2391 | KIAA0937 | AB023154.1 | 1 |
| 3351 ncrc4139 | KIAA0940 protein (RefSeq aa 3e-75) | NP_055727.1 | 1 |
| 3352 SEOA5525a | KIAA0941 | AB023158.1 | 1 |
| 3353 hfcr8533 | KIAA0946 | AB023163.1 | 1 |
| 3354 SEOB2242 | KIAA0949 | AB023166.1 | 1 |
| 3355 SEOA9921 | KIAA0951 protein (KIAA0951), | NM_014893.1 | 1 |
| 3356 ncrb5233 | KIAA0957 protein (RefSeq aa 1e-33) | NP_055757.1 | 1 |
| 3357 hfcr6626 | KIAA0961 protein | NM_014898.1 | 1 |
| 3358 hfcr0270 | KIAA0962(=DKFZp564D022) | AB023179.1 | 1 |

Figure 6A - Continued

| | | | |
|----------------|--|-------------|---|
| 3359 fcrb1168 | KIAA0974 | AB023191 | 1 |
| 3360 ncr2807 | KIAA0979 protein | BAA76823.1 | 1 |
| 3361 mioa9788 | KIAA0980 | AB023197 | 1 |
| 3362 SEOA9099 | KIAA0981 | AB023198.1 | 1 |
| 3363 seob7668 | KIAA0996 | NM_014934.1 | 1 |
| 3364 ncr1578 | KIAA1007 protein (KIAA1007) | NM_016284.1 | 1 |
| 3365 MIOA2423a | KIAA1018 | AB023235.1 | 1 |
| 3366 ncr1503 | KIAA1023 | AB028946 | 1 |
| 3367 SEOA7186a | KIAA1028 | AB028951.1 | 1 |
| 3368 SEOB0466 | KIAA1031 | AB028954.1 | 1 |
| 3369 hfcr7739 | KIAA1041 | NM_014947.1 | 1 |
| 3370 SEOA5933 | KIAA1042 | AB028965.1 | 1 |
| 3371 ncr0806 | KIAA1044 | AB028967.1 | 1 |
| 3372 ncrb2125 | KIAA1046 protein (KIAA1046) | NM_014928.1 | 1 |
| 3373 SEOB0122 | KIAA1049 | AB028972.1 | 1 |
| 3374 MIOA2783a | KIAA1050 | AB028973.1 | 1 |
| 3375 hfcr3011 | KIAA1055 | AB028978.1 | 1 |
| 3376 SEOA1365 | KIAA1057 | AB028980.1 | 1 |
| 3377 hfcr5620 | KIAA1067 | AB028990.1 | 1 |
| 3378 MIOA1068 | KIAA1071 | AB028994.1 | 1 |
| 3379 hfcr8052 | KIAA1075 protein | AB028998.1 | 1 |
| 3380 ncrb3574 | KIAA1078 protein, | AB029001.1 | 1 |
| 3381 ncr7037 | KIAA1085 | AB029008.1 | 1 |
| 3382 MIOA2995a | KIAA1093 | AB029016.1 | 1 |
| 3383 ncr6856 | KIAA1095 protein, partial cds | AB029018.1 | 1 |
| 3384 SEOA6315 | KIAA1097 | AB029020.1 | 1 |
| 3385 ncr9436 | KIAA1098 protein | AB029021.1 | 1 |
| 3386 ncrb4175 | KIAA1099 protein (KIAA1099) | NM_014914.1 | 1 |
| 3387 MIOA3773 | KIAA1109 | AB029032.1 | 1 |
| 3388 fcrb2145 | KIAA1110 protein | AB029033.1 | 1 |
| 3389 hfcr5797 | KIAA1114 protein (KIAA1114) | NM_016157.1 | 1 |
| 3390 ncrb3942 | KIAA1116 protein (KIAA1116) | NM_014892.1 | 1 |
| 3391 ncr3677 | KIAA1119 protein | AB032945.1 | 1 |
| 3392 seob4002 | KIAA1122 | AB032948 | 1 |
| 3393 ncr0662 | KIAA1124 | AK000716.1 | 1 |
| 3394 ncr9421 | KIAA1143 protein | AB032969.1 | 1 |
| 3395 ncr9044 | KIAA1146 | AB032972.1 | 1 |
| 3396 miob3124 | KIAA1147 protein | AB032973.1 | 1 |
| 3397 MIOB2601 | KIAA1151 | AB032977.1 | 1 |
| 3398 ncr7168 | KIAA1156 | AB032982.1 | 1 |
| 3399 ncrb8715 | KIAA1164 protein, partial cds | AB032990.1 | 1 |
| 3400 ncr0594 | KIAA1165 | AB032991.1 | 1 |
| 3401 ncrb7194 | KIAA1178 | AB033004.1 | 1 |
| 3402 ncr1949 | KIAA1179 | AB033005.1 | 1 |
| 3403 hfcr2584 | KIAA1180 | AB033006.1 | 1 |
| 3404 hfcr8837 | KIAA1187 protein | AB033013.1 | 1 |
| 3405 ncr0178 | KIAA1197 protein, partial cds | AB033023.1 | 1 |
| 3406 mioa9398 | KIAA1213 (low match) | AB033039 | 1 |
| 3407 MIOA8314 | KIAA1214 | BAA86528.1 | 1 |
| 3408 miob0207 | KIAA1218 | AB033044.1 | 1 |
| 3409 ncrb7635 | KIAA1224 | AB033050.1 | 1 |
| 3410 seob7549 | KIAA1229 | AB033055.1 | 1 |
| 3411 ncrb2847 | KIAA1233 protein | AB033059.1 | 1 |
| 3412 SEOB0892a | KIAA1235 | AB033061.1 | 1 |
| 3413 hfcr7762 | KIAA1242 | AB033068.1 | 1 |
| 3414 seoa4945a | KIAA1243 protein, partial cds /cds=UNKNOWN /gb=AB033069 /gi=6330811 /ug=Hs.151076 /len=6384 | Hs.151076 | 1 |
| 3415 fcrb1161 | KIAA1255 (ANKHZN) | AB033081 | 1 |

Figure 6A - Continued

| | | | | |
|------|-----------|---|-------------|---|
| 3416 | hfc6255 | KIAA1274 | AB033100.1 | 1 |
| 3417 | ncrb2119 | KIAA1279 protein | AB033105.1 | 1 |
| 3418 | ncrc2868 | KIAA1283 | AB033109.1 | 1 |
| 3419 | hfc7003 | KIAA1294 | AB037715.1 | 1 |
| 3420 | hfc5254 | KIAA1306 | AB037727.1 | 1 |
| 3421 | fcrb1229 | KIAA1308 | AB037729 | 1 |
| 3422 | ncrc6556 | KIAA1320 | AB037741.1 | 1 |
| 3423 | miob1371 | KIAA1323 | AB037744.1 | 1 |
| 3424 | ncrc4344 | KIAA1327 | AB037748.1 | 1 |
| 3425 | ncr7919 | KIAA1328 protein | AB037749.1 | 1 |
| 3426 | seob4822 | KIAA1332 | AB037753.1 | 1 |
| 3427 | SEOA8696 | KIAA1333 | AB037754.1 | 1 |
| 3428 | hfc0560 | KIAA1335 | AB037756.1 | 1 |
| 3429 | ncr4436 | KIAA1343 | AB037764.1 | 1 |
| 3430 | SEOA8923 | KIAA1344 | AB037765.1 | 1 |
| 3431 | ncr2288 | KIAA1352 | AB037773.1 | 1 |
| 3432 | fcrb1663 | KIAA1353 protein (KIAA1353) | XM_035589.1 | 1 |
| 3433 | hfc5114 | KIAA1360 | AB037781.1 | 1 |
| 3434 | hfc8557 | KIAA1365 | AB037786.1 | 1 |
| 3435 | ncrc3100 | KIAA1367 | AB037788.1 | 1 |
| 3436 | MIOA8948 | KIAA1373 | AB037794.1 | 1 |
| 3437 | hfc3756 | KIAA1375 (PDCD6IP) | AB037796 | 1 |
| 3438 | ncrb6656 | KIAA1390 protein | AB037811.1 | 1 |
| 3439 | hfc0624 | KIAA1400 protein | AB037821.1 | 1 |
| 3440 | seob4273 | KIAA1403 | AB037824 | 1 |
| 3441 | hfc5865 | KIAA1408 protein | AB037829.1 | 1 |
| 3442 | ncr9373 | KIAA1412 protein | AB037833.1 | 1 |
| 3443 | ncr3961 | KIAA1415 protein | AB037836.1 | 1 |
| 3444 | fcrb1904 | KIAA1417 | AB037838.1 | 1 |
| 3445 | hfc9821 | KIAA1419 protein | AB037840.1 | 1 |
| 3446 | ncr5746 | KIAA1421 protein | AB037842.1 | 1 |
| 3447 | seob8216 | KIAA1430 | AB037851.1 | 1 |
| 3448 | SEOB1140 | KIAA1432 | AB037853.1 | 1 |
| 3449 | ncrb4076 | KIAA1434 protein | AB037855.1 | 1 |
| 3450 | hfc6640 | KIAA1435 | AB037856.1 | 1 |
| 3451 | hfc9729 | KIAA1440 protein | AB037861.1 | 1 |
| 3452 | mioa9709 | KIAA1454 protein | AB040887.1 | 1 |
| 3453 | hfc7706 | KIAA1460 | AB040893.1 | 1 |
| 3454 | seob4263 | KIAA1461 (ORF) | AB040894 | 1 |
| 3455 | ncr4368 | KIAA1462 | AB040895.1 | 1 |
| 3456 | hfc2960 | KIAA1463 | AB040896.1 | 1 |
| 3457 | seob7180 | KIAA1472 | AB040905.1 | 1 |
| 3458 | seob5761 | KIAA1476 protein (=NM_013450.1 BAZ2B) | AB040909.1 | 1 |
| 3459 | hfc6376 | KIAA1478 | AB040911.1 | 1 |
| 3460 | fcrb1930 | KIAA1483 protein (KIAA1483) | XM_045920.1 | 1 |
| 3461 | hfc9586 | KIAA1495 protein | AB040928.1 | 1 |
| 3462 | hfc3404 | KIAA1497 | AB040930.1 | 1 |
| 3463 | seob4383 | KIAA1521 | AB040954 | 1 |
| 3464 | fcrb1439 | KIAA1528 protein (KIAA1528) | XM_055933.1 | 1 |
| 3465 | seob4147 | KIAA1533 protein | AB040966.1 | 1 |
| 3466 | ncr1941 | KIAA1537 | AB040970.1 | 1 |
| 3467 | ncrb7394 | KIAA1538 protein | AB040971.1 | 1 |
| 3468 | ncrb3700 | KIAA1558 | AB046778 | 1 |
| 3469 | ncrb7376 | KIAA1562 protein | AB046782.1 | 1 |
| 3470 | ncrc4164 | KIAA1565 protein, partial cds | AB046785.1 | 1 |
| 3471 | ncrb4440 | KIAA1571 | AB046791.1 | 1 |
| 3472 | seoa7790a | KIAA1572 protein, partial cds /cds=UNKNOWN /gb=AB046792 /gi=10047208 /ug=Hs.5638 /len=5609 | Hs.5638 | 1 |
| 3473 | SEOB0652 | KIAA1573 | AB046793 | 1 |

Figure 6A - Continued

| | | | |
|----------------|---|-------------|---|
| 3474 ncrb1456 | KIAA1578 protein | AB046798.1 | 1 |
| 3475 ncr7737 | KIAA1590, low match | AB046810 | 1 |
| 3476 ncrb6661 | KIAA1597 | AB046817.1 | 1 |
| 3477 ncr0187 | KIAA1600 protein, | AB046820.1 | 1 |
| 3478 ncrb3624 | KIAA1604 protein | AB046824 | 1 |
| 3479 ncr4069 | KIAA1624 protein, partial cds | AB046844.1 | 1 |
| 3480 ncr6107 | KIAA1641 | AB046861.1 | 1 |
| 3481 ncr3957 | KIAA1655 | AK000711.1 | 1 |
| 3482 seoa4930a | KIAA1790 protein, partial cds /cds=UNKNOWN /gb=AB058693 /gi=14017796 /ug=Hs.57760 /len=5370 | Hs.57760 | 1 |
| 3483 fcr3140 | KIAA1863 protein (KIAA1863) | XM_036104.2 | 1 |
| 3484 fcrb2144 | KIAA1870 protein (KIAA1870) | XM_027025.2 | 1 |
| 3485 SEOB1574 | kiaa-iso protein | AAF17242.1 | 1 |
| 3486 hfcr5531 | KIP gene | AB021866.1 | 1 |
| 3487 FCR2484 | KNP-1a (=U53007 GT335) | D86061 | 1 |
| 3488 fcrb2396 | Ksp37 protein (KSP37), mRNA | NM_031950.1 | 1 |
| 3489 MIOA2183a | Ku70-binding protein (low match) | AF078528 | 1 |
| 3490 MIOA6722a | Kunitz-type protease inhibitor (kop) | AF027205 | 1 |
| 3491 ncr05052 | L1 repeat, Tf subfamily, member 18 | NP_038602.1 | 1 |
| 3492 ncr06907 | L1 repeat, Tf subfamily, member 26 | NP_038604.1 | 1 |
| 3493 seoa7775a | latexin protein (LXN), mRNA /cds=(151,819) /gb=NM_020169 /gi=9910395 /ug=Hs.109276 /len=1049 | Hs.109276 | 1 |
| 3494 SEOA4184a | LCN1b gene | Y10826 | 1 |
| 3495 ncr3968 | LDC4 (=HSPC243) | AF247661.1 | 1 |
| 3496 miob1833 | Leman coiled-coil protein (LCCP) (=AB023206.1 KIAA0989) | NM_016201.1 | 1 |
| 3497 FCR1633 | LEYDIG CELL TUMOR 10 KD PROTEIN | spQ05310 | 1 |
| 3498 seob7346 | ligase IV, DNA, ATP-dependent (LIG4) | NM_002312.1 | 1 |
| 3499 MIOA5599a | LIMULUS CLOTTING FACTOR C PRECURSOR (39%aa) | P28175 | 1 |
| 3500 FCR6044 | lin-7-A | AF090133 | 1 |
| 3501 ncr1318 | line-1 protein ORF1 - =M19503) ORF1; putative=(U93570) p40 | A28096 | 1 |
| 3502 ncr8272 | loss of heterozygosity, 11, chromosomal region 2, gene A (LOH11CR2A) (bcsc-1) | NM_014622.1 | 1 |
| 3503 miob3426 | lost in inflammatory breast cancer tumor suppressor protein (LIBC) | AF143679.1 | 1 |
| 3504 seob3904 | LPS-induced TNF-alpha factor (PIG7) mRNA | NM_004862.1 | 1 |
| 3505 hfcr9387 | m6A methyltransferase (MT-A70) gene | AF014837.1 | 1 |
| 3506 ncrb0220 | m6b1 | AF016004.1 | 1 |
| 3507 SEOA4425a | maCRophage inflammatory protein-2alpha (MIP2alpha) | X53799 | 1 |
| 3508 fcrb2203 | macrophage myristoylated alanine-rich C kinase substrate (MACMARCKS) | XM_034535.1 | 1 |
| 3509 seob6570 | match to AA908753 (NID:g3048158) | AAC83082.1 | 1 |
| 3510 seob4039 | Mcl-1 (MCL-1) and Mcl-1 delta S/TM (MCL-1) genes | AF198614.1 | 1 |
| 3511 ncrb6640 | MDS024(MDS024) | AF182423.1 | 1 |
| 3512 SEOA4333 | MEGF2 | AB011536 | 1 |
| 3513 SEOA8906 | MEGF5 | AB011538.1 | 1 |
| 3514 fcrb0132 | MEGF6 | AB011539 | 1 |
| 3515 seob4451 | melanogaster TEP2 protein [Drosophila melanogaster] | AJ269539 | 1 |
| 3516 fcrb2262 | Melanoma associated gene (D2S448) | XM_056455.1 | 1 |
| 3517 SEOA1400 | melanoma-associated antigen p97 (melanotransferrin) | K03200 | 1 |
| 3518 MIOA4057a | melastatin 1 (70% aa) | AF071787 | 1 |
| 3519 MIOA4987a | membrane protein type II, (low match) clone:HP10481 | AB015633 | 1 |

Figure 6A - Continued

| | | | |
|----------------|--|-------------|---|
| 3520 ncr9491 | meningioma expressed antigen 6(coiled-coil proline-rich) (RefSeq aa 2e-33) | NP_005921.1 | 1 |
| 3521 SEOA4012a | meningioma-expressed antigen 11 (MEA11) | U73682 | 1 |
| 3522 SEOA5717a | meningioma-expressed antigen 6 (MEA6) | U94780 | 1 |
| 3523 MIOA1885a | merosin | M59832 | 1 |
| 3524 hfc3511 | mesenchymal stem cell protein DSC54 (LOC51334)= AF242769.1 | M_016644.1 | 1 |
| 3525 ncr1393 | metastasis associated 1 (MTA1) | NM_004689.1 | 1 |
| 3526 FCR0571 | miCRosatellite sequence INRA095 | X71569 | 1 |
| 3527 MIOA3611a | miCRosatellite VNTR DNA | L07935 | 1 |
| 3528 FCR6018 | MLN51 | X80199 | 1 |
| 3529 FCR1984 | MLN62 | X80200 | 1 |
| 3530 SEOA9065 | Mm-1 cell derived transplantability-associated 1b (hMmTRA1b) | NM_021105.1 | 1 |
| 3531 ncr9268 | MpV17 transgene, murine homolog, glomerulosclerosis (MPV17) | NM_002437.1 | 1 |
| 3532 fcrb1477 | mRNA similar to rat myomegalin | AB042557.1 | 1 |
| 3533 ncr4759 | MSTP031 | AAG39282.1 | 1 |
| 3534 fcrb1381 | MSTP033 protein (MSTP033) | XM_029351.1 | 1 |
| 3535 SEOB1420 | MUF1 protein (MUF1) | NM_006369.1 | 1 |
| 3536 ncr6878 | mutS (E. coli) homolog 3 (RefSeq aa 1e-66) | NP_002430.1 | 1 |
| 3537 SOA0236 | myelodysplasia/myeloid leukemia factor 1 (Mlf1) | AF100171 | 1 |
| 3538 fcrb1731 | NDUFV3 gene for mitochondrial NADH-Ubiquinone oxidoreductase | AB038163.1 | 1 |
| 3539 hfc2555 | neural polypyrimidine tract binding protein (PTB) | AF176085.1 | 1 |
| 3540 seoa7011 | neuritin (LOC51299), mRNA /cds=(168,596) /gb=NM_016588 /gi=7706122 /ug=Hs.103291 /len=1589 | Hs.103291 | 1 |
| 3541 fcrb0102 | NF2 gene | Y18000.1 | 1 |
| 3542 SEOA1399 | NG,NG-dimethylarginine dimethylaminohydrolase | AB001915 | 1 |
| 3543 ncrb1540 | NIBAN | AB050477.1 | 1 |
| 3544 miob1224 | NICE-3 protein (clone 3038j13) | AJ243665.1 | 1 |
| 3545 ncrb8253 | nitrilase 1 (NIT1) | NM_005600.1 | 1 |
| 3546 ncrb7941 | NJAC protein (NJAC) | AF144103.1 | 1 |
| 3547 MIOA8380 | nm23-H7 (NME7) | AF153191.1 | 1 |
| 3548 SEOB1093 | Nmi | U32849.1 | 1 |
| 3549 ncr0797 | N-myc and STAT interactor (RefSeq aa 4e-56) | NM_016508.1 | 1 |
| 3550 fcrb0146 | NORI-1 (ORF) | AB010427 | 1 |
| 3551 fcrb2223 | novel protein (HSNOV1) | XM_017365.2 | 1 |
| 3552 MIOA0972 | NPD001 | AF078853.1 | 1 |
| 3553 FCR2139 | N-ras | X02751 | 1 |
| 3554 miob5489 | nuclear body associated kinase 2b (Nbak2) (=AB014530.1 KIAA0630) | AF170304.1 | 1 |
| 3555 ncr5608 | nucleobindin 2 (RefSeq aa 9e-90) | NP_005004.1 | 1 |
| 3556 SEOA4264a | nucleolar protein (KKE/D repeat) (NOP56) =Y12065,nucleolar protein hNop56 | NM_006392. | 1 |
| 3557 fcrb2647 | nucleolar protein ANKT(ANKT), mRNA | NM_016359.1 | 1 |
| 3558 seoa6814 | nucleolar protein family A, member 3 (H/ACA small nucleolar RNPs) (NOLA3), mRNA /cds=(97,291) /gb=NM_018648 /gi=15011920 /ug=Hs.14317 /len=556 | Hs.14317 | 1 |
| 3559 SEOA1720a | nucleotide-binding protein | U01833 | 1 |
| 3560 SEOB3518 | NUMB | AF171941.1 | 1 |
| 3561 MIOA2165a | NY-REN-49 antigen | AF155111.1 | 1 |
| 3562 hfc9111 | NY-REN-57 antigen | AF155114.1 | 1 |
| 3563 SEOA4440 | NY-REN-6 antigen (ORF) | AF155096 | 1 |
| 3564 miob5954 | OBPIIa gene | AJ251029.1 | 1 |
| 3565 SEOA7902a | okadaic acid-inducible phosphoprotein (OA48-18) | AF069250 | 1 |
| 3566 BFCW0310 | Opa-interacting protein OIP5 | AF025441 | 1 |

Figure 6A - Continued

| | | | |
|----------------|--|-------------|---|
| 3567 miob1734 | OPN-b (low match: aa 8e-06) | BAA05950.1 | 1 |
| 3568 ncrb0364 | ORF1, encodes a 40 kDa product | AAB60344.1 | 1 |
| 3569 ncr9019 | ORF2 (aa 4e-15,65%) | BAA25253.1 | 1 |
| 3570 SEOA8213 | ORF4 | CAA37647.1 | 1 |
| 3571 ncrb3860 | ORFII (X52235)(= LIN1_HUMAN LINE-1 REVERSE TRANSCRIPTASE HOMOLOG) | CAA36480.1 | 1 |
| 3572 miob3845 | ORFYGR054w | CAA97056.1 | 1 |
| 3573 hfcr5875 | OTF3 gene | Z11900.1 | 1 |
| 3574 hfcr1678 | p150 (67% a.a.) | AAC51279.1 | 1 |
| 3575 ncr5568 | P1-Cdc21 (=ALU8_HUMAN ALU SUBFAMILY SX SEQUENCE) | X74794.1 | 1 |
| 3576 ncr2131 | P1cdc47 (=hMCM2) (=p85Mcm) | D55716.1 | 1 |
| 3577 miob0182 | p21-activated protein kinase-like protein (non-exact match 34% a.a. identity) | AAF82310.1 | 1 |
| 3578 fcrb2523 | P3ECSL (LIECG3), mRNA | NM_022164.1 | 1 |
| 3579 SEOA0728a | PA4=candidate oncogene | S82075 | 1 |
| 3580 ncrb5885 | PAC 747L4 gene | AL035297.1 | 1 |
| 3581 hfcr6233 | PAC P336P3 (12q24) | gi 2961441 | 1 |
| 3582 SEOA6895 | PAI-1 gene, PAI-1-HindIII-2 allele | AF110527.1 | 1 |
| 3583 SEOA5156a | PAK2 mRNA, | AF092132 | 1 |
| 3584 ncr0284 | PAN2 protein (PAN2) | NM_020905.1 | 1 |
| 3585 fcr3111 | pancreas tumor-related protein (FKSG12) | AF311912.1 | 1 |
| 3586 mioa9843 | parathyroid hormone-like protein(PLP) gene, exon 4, clones lambda-PLPg(1,3,7-2) | M24349.1 | 1 |
| 3587 ncr6563 | partial AF-4 gene | AJ238093.1 | 1 |
| 3588 fcrb1682 | partial LIMD1 gene for LIM domains | AJ312686.1 | 1 |
| 3589 ncrb2079 | partial unknown mRNA from drug-resistant melanoma cells, 3'UTR, clone | AJ270695.1 | 1 |
| 3590 ncr9293 | PCCX2 mRNA for protein containing CXXC domain 2, partial cds | AB031230.1 | 1 |
| 3591 ncr8827 | PDCL2 | AAD30564.2 | 1 |
| 3592 FCR6547 | peanut-like protein 1, PNUTL1 (hCDCRel-1) (=AF006988 septin (CDCRel-1)) | Y11593 | 1 |
| 3593 FCR4965 | pendrin (PDS) | AF030880 | 1 |
| 3594 SEOA0799 | PEP11 PROTEIN | spP38759 | 1 |
| 3595 FCR3599 | PEP19 (PCP4) (=X93349;U53709) | U52969 | 1 |
| 3596 ncrb8191 | PER1 gene (=Rigui (RIGUI)) | AF102137.1 | 1 |
| 3597 FCR0187 | pescadillo (PES1) | U78310 | 1 |
| 3598 BFCS0022 | Pig3 (PIG3) | AF010309 | 1 |
| 3599 ncrb8666 | pituitary tumor-transforming 1 interacting protein (PTTG1IP) | NM_004339.2 | 1 |
| 3600 FCR3072N | PiUS | U74297 | 1 |
| 3601 ncr4259 | plasma glutamate carboxypeptidase (PGCP) | NM_006102.1 | 1 |
| 3602 ncr4448 | platelet glycoprotein lib precursor | AAA60115.1 | 1 |
| 3603 fcrb0385 | PMF16 | AB006881 | 1 |
| 3604 miob4980 | PMS1 PROTEIN HOMOLOG 1 (DNA MISMATCH REPAIR PROTEIN PMS1) | spP54277 | 1 |
| 3605 SEOA2934a | PM-Scl-75 autoantigen (PM-scl1) (=M58460) | U09215 | 1 |
| 3606 MIOA6234a | polymorphic HindIII site DNA (THRB region) | X58041 | 1 |
| 3607 seob7465 | polypyrimidine tract binding protein (heterogeneous nuclear ribonucleoprotein I) (PTB) | NM_002819.1 | 1 |
| 3608 ncr0028 | PP1201 mRNA, | AF193045.1 | 1 |
| 3609 ncr2404 | PP2703 | AF193051.1 | 1 |
| 3610 ncr9023 | PR-domain containing protein 10 (PRDM10) | NM_020228.1 | 1 |
| 3611 SEOA2528 | PREGNANCY ZONE PROTEIN PRECURSOR (low match) | spP20742 | 1 |
| 3612 MIOA8228 | PRKG1 gene | Z92885 | 1 |
| 3613 ncr0838 | PRO0066 | AF113007.1 | 1 |
| 3614 ncr2035 | PRO0214 protein (PRO0214) | NM_014120.1 | 1 |

Figure 6A - Continued

| | | | |
|----------------|--|-------------|---|
| 3615 miob0673 | PRO0245 protein (PRO0245) | NM_014122.1 | 1 |
| 3616 ncr0715 | PRO0412 mRNA (=KIAA0213 gene)(= mitogen-activated protein kinase kinase 4 (MAP3K4), transcript variant 2) | AF116604.1 | 1 |
| 3617 seob5748 | PRO0461 protein (PRO0461) | NM_014072.1 | 1 |
| 3618 SEOA9744 | PRO0529 protein (PRO0529)= AF111848.1 | NM_014074.1 | 1 |
| 3619 ncr5276 | PRO0786 (=putative tumor suppressor ST13 (ST13)) | AF116650.1 | 1 |
| 3620 ncr2484 | PRO0989 (=CGI-54 protein) | AF116614.1 | 1 |
| 3621 ncr9919 | PRO1155 (=RBBP6) | AF116625.1 | 1 |
| 3622 ncrb1167 | PRO1489 | AF116637.1 | 1 |
| 3623 ncr4583 | PRO1546 (aa 1e-14,58%) | NP_061055.1 | 1 |
| 3624 miob0910 | PRO1722 | AAF69605.1 | 1 |
| 3625 ncr0151 | PRO1843 mRNA,(= initiation factor 4B) | AF119854.1 | 1 |
| 3626 ncr5179 | PRO1996 protein (PRO1996) | NM_014108.1 | 1 |
| 3627 ncr3257 | PRO2047 protein (PRO2047) (=PRO2003) | NM_014110.1 | 1 |
| 3628 ncrb5438 | PRO2061 | AF118092.1 | 1 |
| 3629 hfc4055 | PRO2134 | AF118094.1 | 1 |
| 3630 hfc9558 | PRO2207 | AF116692.1 | 1 |
| 3631 seoa7722a | PRO2219 mRNA, complete cds /cds=(823,1056) /gb=AF116694 /gi=7959886 /ug=Hs.103657 /len=1083 | Hs.103657 | 1 |
| 3632 ncrb5918 | PRO2222 | AF119868.1 | 1 |
| 3633 SEOA9409 | PRO2239 | AF116696 | 1 |
| 3634 ncr9044 | PRO2309 | AF119875.1 | 1 |
| 3635 hfc0345 | PRO2646(=RPS4Y) | AF116711.1 | 1 |
| 3636 miob0700 | selective LIM binding factor, rat homolog (SLB) | AAF69654.1 | 1 |
| 3637 ncr2831 | PRO2832 (PRO2832) | NM_018541.1 | 1 |
| 3638 ncr5312 | PRO2975 (PRO2975) | NM_018548.1 | 1 |
| 3639 ncr4555 | PRO3091 | AF119916.1 | 1 |
| 3640 miob5117 | PRO3098 | AF119917.1 | 1 |
| 3641 FCR4364 | Pro-Pol-dUTPase polypeptide | Y12713 | 1 |
| 3642 FCR6936 | prostaglandin synthase | D83402 | 1 |
| 3643 ncrb2611 | prostaglandin-D synthase (RefSeq aa 3e-36) | NP_055300.1 | 1 |
| 3644 mioa9323 | prostate carcinoma tumor antigen (pcta-1) (ORF) | L78132.1 | 1 |
| 3645 mioa9540 | prostate specific and androgen regulated cDNA 14D7 = AL050198 hypothetical protein | AF163475 | 1 |
| 3646 fcr0237 | prostatein c3 subunit | M71245 | 1 |
| 3647 FCR1393 | protein | L76155 | 1 |
| 3648 seob6417 | protein (peptidyl-prolyl cis/trans isomerase) NIMA-interacting, 4 (parvulin) (PIN4) | NM_006223.1 | 1 |
| 3649 SEOA7471a | protein B | AF146793.1 | 1 |
| 3650 ncr6708 | protein inhibitor of activated STAT-1(RefSeq aa 2e-82) | NP_057250.1 | 1 |
| 3651 MIOA2998a | protein S-alpha (PROS1) (=Y00692) | M23599 | 1 |
| 3652 MIOA6488a | PSD-Zip45 | AB017140 | 1 |
| 3653 ncr4132 | PTB domain adaptor protein CED-6 | AF200715.1 | 1 |
| 3654 MIOA0494 | PTB-like protein | AJ010585.1 | 1 |
| 3655 ncr8811 | PTD002 protein (PTD002) (=HSPC305) | NM_016144.1 | 1 |
| 3656 MIOA3439a | PTD012 | AF092133.1 | 1 |
| 3657 ncr5335 | PTD017 protein (PTD017) | NM_014046.1 | 1 |
| 3658 ncr2079 | PTH-responsive osteosarcoma B1 protein (B1) mRNA, complete cds | AF095771.1 | 1 |
| 3659 SEOA5584a | PTPL1-associated RhoGAP | U90920 | 1 |
| 3660 ncr2496 | PTS gene for 6-pyruvoyltetrahydropterin synthase | AB042297.1 | 1 |
| 3661 mioa6307a | putative (H. sapiens) (LOC134301) | XM_059705.1 | 1 |
| 3662 fcrb2591 | PUTATIVE C10 PROTEIN (LOC113246) Length = 755 | XM_053988.2 | 1 |
| 3663 ncr4076 | Putative prostate cancer tumorsuppressor (RefSeq aa 5e- NP_006756.1 81) | | 1 |
| 3664 ncr5592 | putative tumor suppressor ST13 (ST13) (=PRO0786) | U17714.1 | 1 |

Figure 6A - Continued

| | | | |
|----------------|--|-------------|---|
| 3665 nrcr9709 | QM [nontumorigenic Wilms' microcell hybrid cells, Genomic, 2623 nt, segment 2 of 2](= housekeeping (Q1Z 7F5) gene exons 2 through 7, complete cds) | S64169.1 | 1 |
| 3666 nrcr0100 | R3H domain (binds single-stranded nucleic acids) containing (RefSeq aa 7e-54) | NP_056970.1 | 1 |
| 3667 fcrb1457 | RAB14, member RAS oncogene family (RAB14) | XM_005342.4 | 1 |
| 3668 fcrb2344 | RAB6C, member RAS oncogene family (RAB6C), mRNA | XM_038274.1 | 1 |
| 3669 miob0036 | Rap2 interacting protein; similar to U73941 (PID:g1916018) | AAC82532.1 | 1 |
| 3670 fcrb2087 | rat activator of G-protein signaling 3 (AGS3) (likely ortholog) | XM_054763.2 | 1 |
| 3671 ncrb7932 | rat myomegalin | NP_071754.1 | 1 |
| 3672 ncrb5296 | RB-binding protein (rbbp2h1a gene) | AJ243706.1 | 1 |
| 3673 ncrb6676 | RC1-ST0278-160200-014-f03 ST0278 cDNA | AW818395.1 | 1 |
| 3674 hfcr6143 | RC3-BT0319-240200-015-e12 BT0319 | BE066091.1 | 1 |
| 3675 SEOB3497 | recepin (CBF1 interacting corepressor (CIR) | U03644.1 | 1 |
| 3676 FCR2338 | Rer1 protein | AJ001421 | 1 |
| 3677 hfcr8412 | RES4-22 gene with multiple splice variants near HD locus on 4p16.3 | NM_003704.1 | 1 |
| 3678 ncrb0807 | reticulon 4c (=reticulon 4b)(= reticulon 4a) | AF087901.1 | 1 |
| 3679 ncrb0185 | retinal short-chain dehydrogenase/reductase retSDR2 (LOC51170), mRNA | NM_016245.1 | 1 |
| 3680 fCR0841 | retina-specific 15.7 kDa protein | M34915 | 1 |
| 3681 MIOA5531a | retinol-binding protein (RBP) | M10934 | 1 |
| 3682 MIOA6585a | RETINOL-BINDING PROTEIN II, CELLULAR (CRBP-II) | P50121 | 1 |
| 3683 ncrb8721 | REV3 (yeast homolog)-like, catalytic subunit of DNA polymerase zeta (RefSeq aa 2e-39) | NP_002903.1 | 1 |
| 3684 hfcr1733 | RGP3 | U27655.1 | 1 |
| 3685 seoa4926a | RP42 homolog (RP42), mRNA /cds=(29,808) /gb=NM_020640 /gi=10190677 /ug=Hs.104613 /len=3552 | Hs.104613 | 1 |
| 3686 miob6451 | rpmJ, prlA, rplO, rpmD, rpsE, rplR, rplF, rpsH, rpsN, rplE, rplX, rplN, rpsQ, rpmC, rplP, rpsC, rplV, rpsS, rplB, rplW, rplD, rplC, rpsJ genes from bases 3440111 to 3451054 (section 298 of 400) of th... | AE000408 | 1 |
| 3687 seob4136 | rrlC, rrfC, aspT, trpT, yifA, pssR, yifE, yifB, ilvL, ilvG_1, ilvG_2, ilvM, ilvE, ilvD, ilvA, ilvY genes from bases 3941264 to 3955588 (section 343 of 400) of the complete genome | AE000453 | 1 |
| 3688 ncrb5432 | SCL gene locus | AJ131016.1 | 1 |
| 3689 ncrb4001 | seladin-1 (=KIAA0018) | AF261758.1 | 1 |
| 3690 fcrb1724 | selective LIM binding factor, rat homolog (SLB) | XM_033196.1 | 1 |
| 3691 fcrb0693 | serologically defined colon cancer antigen 10 (NY-CO-10) | NM_005869.1 | 1 |
| 3692 hfcr0622 | SH3GLP1 pseudogene, 5' | X99658.1 | 1 |
| 3693 hfcr0525 | Si-1-8-16 mRNA, partial cds | AB044752.1 | 1 |
| 3694 FCR3121 | SIK similar protein | AF053232 | 1 |
| 3695 ncrb8035 | single-minded (Drosophila) homolog 2 (SIM2), transcript variant SIM2 | NM_005069.2 | 1 |
| 3696 hfcr0750 | Sjogren's syndrome/scleroderma autoantigen 1 (SSSCA1) (=AB001740 p27) | NM_006396.1 | 1 |
| 3697 FCR6792 | Slit-2 protein | AB017168 | 1 |
| 3698 ncrb5508 | Sm protein F (RefSeq aa 2e-41) | NP_009011.1 | 1 |
| 3699 FCR6529 | small cytoplasmic Y RNA (Y4) (=X57566 hy4 Ro RNA (associated with erythrocyte Ro RNP's)) | L32808 | 1 |
| 3700 ncrb6345 | small EDRK-rich factor 1, short isoform (SERF1) | AF073518.1 | 1 |
| 3701 ncrb3840 | small fragment nuclease (DKFZP566E144) | NM_015523.1 | 1 |

Figure 6A - Continued

| | | | |
|----------------|--|-------------|---|
| 3702 fcrb1894 | SMART/HDAC1 associated repressor protein (SHARP) | XM_057104.1 | 1 |
| 3703 MIOA6731a | SOCS box-containing WD protein SWiP-1 (SWIP1) (=AF106683 WSB-1) | AF072880.1 | 1 |
| 3704 ncr5243 | spastic ataxia of Charlevoix-Saguenay (sacsin) (RefSeq aa 2e-91) | NP_055178.1 | 1 |
| 3705 ncr5327 | speckle-type POZ protein (SPOP) | NM_003563.1 | 1 |
| 3706 ncrb0303 | spm1 protein | Y15794.1 | 1 |
| 3707 ncr6821 | SRY (sex determining region Y)-box 13 (SOX13)(= type 1 diabetes autoantigen ICA12) | NM_005686.1 | 1 |
| 3708 ncrb1420 | SRY (sex determining regionY)-box 22 (SOX22) | NM_006943.1 | 1 |
| 3709 miob6467 | SRY-box containing gene 5 (Sox5) | NM_011444.1 | 1 |
| 3710 MIOA1921a | SS-A/Ro ribonucleoprotein autoantigen 60 kd subunit | M25077 | 1 |
| 3711 SEOA3852 | SSR alpha subunit | Z12830 | 1 |
| 3712 hfcr9240 | SSX4 protein gene | AF196972.1 | 1 |
| 3713 FCR5574 | stat-like protein (Fe65) | L77864 | 1 |
| 3714 FCR6841 | STS(STS SHGC-35393) | G28601 | 1 |
| 3715 SEOA8651 | sudD (suppressor of bimD6, Aspergillus nidulans) homolog (SUDD) (Alu repeat) | gi4507298 | 1 |
| 3716 FCR3286 | suppressor of cytokine signalling-1 (SOCS-1) (=AB000734 TIP3) | U88326 | 1 |
| 3717 ncr5113 | Syne-1B | AAG24393.1 | 1 |
| 3718 mioa9648 | synuclein, alpha (non A4 component of amyloid precursor) (SNCA), transcript variant NACP112,(ORF) | NM_007308.1 | 1 |
| 3719 ncr8584 | Tandem PH Domain Containing Protein-1 (TAPP1) | NM_021622.1 | 1 |
| 3720 hfcr4087 | Tax interaction protein 2 | AF028824.1 | 1 |
| 3721 miob4613 | TB1 | M74089.1 | 1 |
| 3722 mioa9581 | TCP1 (t-complex-1) ring complex, polypeptide 5 (TRIC5)(ORF) = X74801.1 | NM_005998.1 | 1 |
| 3723 SEOA8401a | tctex-1 | E13405 | 1 |
| 3724 seob5658 | TESS 2 protein (TESS 2 gene) (=DKFZp586B2022) | AJ250865.1 | 1 |
| 3725 ncr6072 | testis specific ankyrin-like protein 1 (LOC51281) | NM_016552.1 | 1 |
| 3726 FCR2798 | tex292 | X80433 | 1 |
| 3727 hfcr8816 | TFII-I protein(TFII-I) mRNA, (=general transcription factor 2-I (GTF2I) | AF015553.1 | 1 |
| 3728 FCR1092 | tip associating protein (TAP) | U80073 | 1 |
| 3729 seoa7736a | TPA regulated locus; uncharacterized hypothalamus protein HTMP (H. sapiens) (LOC132748), mRNA | XM_054971.2 | 1 |
| 3730 MIOA7372a | TPRD | D83077 | 1 |
| 3731 hfcr0171 | transitional epithelia response protein (TERE1) | NM_013319.1 | 1 |
| 3732 fcrb1397 | translocating chain-associating membrane protein (TRAM) | XM_005185.3 | 1 |
| 3733 hfcr8857 | Treacher Collins-Franceschetti syndrome 1 (TCOF1) mRNA | NM_000356.1 | 1 |
| 3734 ncr3718 | TSA305 | AB024763.1 | 1 |
| 3735 SEOA4366a | TSC2 mRNA for tuberin | X75621 | 1 |
| 3736 fcr0969 | TYL gene | X99688 | 1 |
| 3737 seoa7056 | unknown mRNA /cds=(1758,2294) /gb=AF321617 /gi=11596417 /ug=Hs.33032 /len=3109 | Hs.33032 | 1 |
| 3738 ncr1153 | unknown protein 3'UTR | Y09836.1 | 1 |
| 3739 fcrb2422 | unknown protein LOC51035 (H. sapiens) (LOC120685), mRNA | XM_058485.1 | 1 |
| 3740 mioa0739m | unnamed protein product | AK001715 | 1 |
| 3741 ncr5949 | unnamed protein product | BAA91748.1 | 1 |
| 3742 ncr8937 | unnamed protein product | BAA91974.1 | 1 |
| 3743 ncr1402 | unnamed protein product | BAB14098.1 | 1 |
| 3744 ncr4015 | unnamed protein product | BAB14662.1 | 1 |
| 3745 ncr2531 | unnamed protein product | BAB14687.1 | 1 |
| 3746 ncrb8526 | unnamed protein product | BAB14809.1 | 1 |

Figure 6A - Continued

| | | | |
|----------------|---|-------------|---|
| 3747 nrcr3171 | unnamed protein product | BAB15239.1 | 1 |
| 3748 nrcr3503 | unnamed protein product | BAB15362.1 | 1 |
| 3749 nrcr3080 | unnamed protein product | BAB15407.1 | 1 |
| 3750 nrcr9052 | unnamed protein product | BAB15427.1 | 1 |
| 3751 nrcr9368 | unnamed protein product | BAB15579.1 | 1 |
| 3752 nrcr1889 | unnamed protein product (=HSPC314) | BAB14755.1 | 1 |
| 3753 ncrb8790 | unnamed protein product (aa 1e-15) | BAB15433.1 | 1 |
| 3754 fcrb2199 | UPF3 (UPF3) | AF318575.1 | 1 |
| 3755 ncrb5244 | up-regulated by BCG-CWS (=KIAA0062,=KIAA1265) | NP_071437.1 | 1 |
| 3756 ncr2451 | vault-associated RNA 1, complete sequence | AF045143.1 | 1 |
| 3757 ncr7065 | vav 3 oncogene (VAV3) | NM_006113.2 | 1 |
| 3758 ncr9729 | v-maf musculoaponeurotic fibrosarcoma(avian) oncogene homolog (RefSeq aa 4e-33) | NP_005351.2 | 1 |
| 3759 SEOA9421 | v-raf-1 murine leukemia viral oncogene homolog 1 (RAF1),= X03484.1 | NM_002880.1 | 1 |
| 3760 MIOA8644 | WAS protein family, member 1 (WASF1) (=KIAA0269) | NM_003931.1 | 1 |
| 3761 ncrb2848 | WD-repeat protein (HAN11) | NM_005828.1 | 1 |
| 3762 fcrb1420 | Williams-Beuren syndrome chromosome region 1 (WBSCR1) | XM_051839.2 | 1 |
| 3763 seoa6846 | Wilms' tumour 1-associating protein (KIAA0105), mRNA /cds=(124,579) /gb=NM_004906 /gi=4758635 /ug=Hs.119 /len=1622 | Hs.119 | 1 |
| 3764 seoa6818 | Wiskott-Aldrich syndrome protein interacting protein (WASPIP), mRNA /cds=(108,1619) /gb=NM_003387 /gi=8400739 /ug=Hs.24143 /len=1985 | Hs.24143 | 1 |
| 3765 FCR6578 | XE7 | L03426 | 1 |
| 3766 ncr4202 | Xp22 bins 16-17 BAC GSHB-531117 (Genome Systems Human BAC Library) complete sequence | AC004805.1 | 1 |
| 3767 hfcr9956 | Xq pseudoautosomal region; segment 1/2 | AJ271735.1 | 1 |
| 3768 SEOA4600a | xs31 | Z36832 | 1 |
| 3769 nrcr0455 | yeast Sec31p homolog (RefSeq aa 5e-76) | NP_057295.1 | 1 |
| 3770 SEOA1875a | YGR163, yeast homologue | AB017616 | 1 |
| 3771 ncr1374 | adrenodoxin gene, exon 4 | M23668.1 | 1 |
| 3772 ncr0159 | annexin V-binding protein (ABP-10),(ORF) | D64062 | 1 |
| 3773 MIOA8828 | ATPase subunit 6 | BAA07295.1 | 1 |
| 3774 seob5326 | ATPase, Ca sequestering (ATP2C1) (=KIAA1347) | NM_014382.1 | 1 |
| 3775 fcrb1607 | ATPase, Class I, type 8B member 2 (ATP8B2) | XM_036933.2 | 1 |
| 3776 hfcr0829 | ATPase, H transporting, lysosomal (vacuolar proton pump) 21kD (ATP6F) | NM_004047.1 | 1 |
| 3777 seob6087 | ATPase, H transporting, lysosomal (vacuolar proton pump) non-catalytic accessory protein 1A (110/116kD) (ATP6N1A) | NM_005177.1 | 1 |
| 3778 ncr5109 | ATPase, H transporting, lysosomal (vacuolar proton pump), beta polypeptide,56/58kD, isoform 2 (ATP6B2)(vacuolar H -ATPase Mr 56,000 subunit (HO57))(=isoform 2 of vacuolar H ATPase Mr 56,000 subunit) | NM_001693.1 | 1 |
| 3779 ncr5336 | ATPase, H transporting, lysosomal (vacuolar proton pump), member J (ATP6J) | NM_004888.1 | 1 |
| 3780 hfcr0366 | ATPase, Na /K transporting, alpha 2 () polypeptide (ATP1A2) | NM_000702.1 | 1 |
| 3781 nrcr9279 | ATPase, Na /K transporting, beta 1 polypeptide (RefSeq aa 7e-66) | NP_001668.1 | 1 |
| 3782 hfcr2323 | ATP-binding cassette 7 iron transporter (ABC7) | AF133659.1 | 1 |
| 3783 MIOA1276m | Ca2 -transporting ATPase, (ORF) | AJ010953 | 1 |
| 3784 FCR7128 | calsequestrin, cardiac | D55655 | 1 |
| 3785 FCR0257 | copper chaperone for superoxide dismutase (CCS) | AF002210 | 1 |

Figure 6A - Continued

| | | | |
|----------------|---|-------------|---|
| 3786 FCR4166 | F1-ATPase beta subunit (F-1 beta) (=X05606;M27132) | X03559 | 1 |
| 3787 fCR1004 | F1-F0-ATPase | M64751 | 1 |
| 3788 fCR1016 | F1Fo-ATP synthase complex Fo membrane domain F subunit | S70447 | 1 |
| 3789 MIOA1621a | monocarboxylate transporter 1 (SLC16A1) | L31801 | 1 |
| 3790 FCR3715 | non-erythroid band 3-like protein (HKB3) (=U26531 anion exchanger AE2;X62137 anion exchanger protein) | X03918 | 1 |
| 3791 MIOA0572n | nonerythroid beta-spectrin | L02897 | 1 |
| 3792 hfcr8509 | NRAMP2 gene for natural resistance-associated macrophage protein 2 | AB015355.1 | 1 |
| 3793 ncr6623 | S100 calcium-binding protein A11 (calgizzarin) (S100A11) | NM_005620.1 | 1 |
| 3794 fcrb2291 | S100 calcium-binding protein A6 (calcyclin) (S100A6), mRNA | XM_058243.1 | 1 |
| 3795 ncrb1216 | sodium bicarbonate cotransporter 2b (NBC2B)(= sodium bicarbonate cotransporter 3 (SLC4A7)) | AF089726.1 | 1 |
| 3796 SEOA2620 | sodium bicarbonate cotransporter 3 (SLC4A7) | AF047033.1 | 1 |
| 3797 ncr2256 | solute carrier family 26 | NM_000112.1 | 1 |
| 3798 ncr5930 | solute carrier family 5(sodium-dependent vitamin transporter), member 6(SLC5A6) | NM_021095.1 | 1 |
| 3799 MIOA1353a | solute carrier family 7 (cationic amino acid transporter, y system), member 6 (SLC7A6) (=D87432.1 KIAA0245) | gi4507052 | 1 |
| 3800 seob7125 | vacuolar H ()-ATPase subunit=13.7 kda F-ATPases subunit b homologue | S82464.1 | 1 |
| 3801 ncr1428 | vacuolar H -ATPase Mr 56,000 subunit (HO57) | L35249.1 | 1 |
| 3802 MIOA8034a | vacuolar H ATPase Mr 70000 subunit | X61612 | 1 |
| 3803 FCR0748 | vacuolar proton ATPase membrane sector associated protein M8-9 | Y17975 | 1 |
| 3804 SEOA7543a | vacuolar sorting protein 35 | AF191298 | 1 |
| 3805 FCR3915 | white gene protein (=AF038175) | X91249 | 1 |
| 3806 FCR4226 | Glycosyl transferase, similar to (=AF031835 ppGaNTase) | AL033514 | 1 |
| 3807 SEOA1980a | 1,4-alpha-glucan branching enzyme (HGBE) | L07956 | 1 |
| 3808 hfcr4466 | 3-phosphoinositide dependent protein kinase-1 (PDPK1) | NM_002613.1 | 1 |
| 3809 ncrb6462 | aldehyde dehydrogenase 1 | K03000.1 | 1 |
| 3810 FCR4900 | aldo-keto reductase family 7, member A2 (aflatoxin aldehyde reductase) (AKR7A2) (=Y16675) | AF026947 | 1 |
| 3811 SEOA6123a | aldose reductase (EC 1.1.1.2) | X15414 | 1 |
| 3812 ncrb0913 | alpha-1,3(6)-mannosyl glycoprotein beta-1 (RefSeq aa 1e79) | NP_002401.1 | 1 |
| 3813 ncr1495 | alpha-aminoadipic semialdehyde dehydrogenase-phosphopantetheinyl transferase | AF302110.1 | 1 |
| 3814 hfcr6753 | Alu co-repressor 1 (ACR1)(=AOEB166) | AF231705.1 | 1 |
| 3815 hfcr6085 | amylase-1,6-glucosidase,4-alpha-glucanotransferase (glycogen debranching enzyme, glycogen storage disease type III) (AGL), splice variant 6, mRNA | NM_000646.1 | 1 |
| 3816 hfcr5499 | beta-1,3-glucuronyltransferase 3 (glucuronosyltransferase I) (B3GAT3) | NM_012200.1 | 1 |
| 3817 ncr9549 | beta-1,3-N-acetyl glucosaminyl transferase (BETA3GNTI) | NM_006876.1 | 1 |
| 3818 ncr2568 | beta-globin (HBB) gene haplotype C17, replication origin initiation region and partial cds | AF186616.1 | 1 |
| 3819 ncr0251 | carbohydrate (keratan sulfate Gal-6) sulfotransferase 1 (CHST1), mRNA | NM_003654.1 | 1 |

Figure 6A - Continued

| | | | |
|----------------|--|-------------|---|
| 3820 ncrb5197 | carbohydrate (N-acetylglucosamine 6-O) sulfotransferase 6 (CHST6) (=CLP) | NM_021615.1 | 1 |
| 3821 MIOA1513 | co-beta glucosidase (proactivator) | J03077 | 1 |
| 3822 SEOB1844 | dTDP-4-keto-6-deoxy-D-glucose 4-reductase (tgr gene) (=AF182814 methionine adenosyltransferase regulatory beta subunit) | AJ243721.1 | 1 |
| 3823 fcrb2043 | extracellular glycoprotein EMILIN-2 precursor (LOC90187) | XM_029741.1 | 1 |
| 3824 FCR2299 | galactokinase (galK) | U26401 | 1 |
| 3825 FCR0894 | galactose-1-phosphate uridyl transferase (GALT) | M96264 | 1 |
| 3826 hfc7968 | GALT3 protein mRNA, complete cds | AF154848.1 | 1 |
| 3827 ncrb4154 | glucosamine-6-phosphate | AJ002231.1 | 1 |
| 3828 ncrb7340 | glucosyltransferase | AJ224875.1 | 1 |
| 3829 FCR6054 | glycogen debranching enzyme isoform 2 (AGL) | U84008 | 1 |
| 3830 ncr3799 | glycogen synthase 1 (muscle) (GYS1) | NM_002103.1 | 1 |
| 3831 seob4492 | glycogenin= glycogenin-1 | X79537.1 | 1 |
| 3832 FCR4878 | glycogenin-2 delta (glycogenin-2) (=U94359;U94363) | U94360 | 1 |
| 3833 SEOA4809a | hexokinase II pseudogene | U28387 | 1 |
| 3834 ncr7768 | hippocampus abundant gene transcript 1 (Hiat1) | NM_008246.1 | 1 |
| 3835 FCR3946 | liver-type 1-phosphofructokinase (PFKL) (=X16930) | X15573 | 1 |
| 3836 miob4869 | LNR42 (=AJ012409.1 Human hypothetical protein (clone YR-29)) | AF238866 | 1 |
| 3837 fcrb0151 | lysosomal alpha-mannosidase (MANB) | U05572.1 | 1 |
| 3838 seob8338 | lysozyme | M19045.1 | 1 |
| 3839 hfc6099 | mannosyl (alpha-1,3-)-glycoprotein beta-1,2-N-acetylglucosaminyltransferase (MGAT1) gene | NM_002406.2 | 1 |
| 3840 ncr1421 | mannosyl (alpha-1,6-)-glycoprotein beta-1,2-N-acetylglucosaminyltransferase (MGAT2) | NM_002408.2 | 1 |
| 3841 SEOB1340 | mannosyl-oligosaccharide alpha-1,2-mannosidase | U04301.1 | 1 |
| 3842 BFCW0216 | N-acetyl-alpha-glucosaminidase (HEXA), alpha-polypeptide | M13520 | 1 |
| 3843 MIOA0533 | N-acetylgalactosamine 6-sulfate sulfatase (GALNS) | D17629 | 1 |
| 3844 miob6858 | N-acetylglucosamine-phosphate mutase; DKFZP434B187 | NM_015599.1 | 1 |
| 3845 hfc9613 | N-acetylglucosaminyl transferase component Gpi1 (GPI1) mRNA | NM_004204.1 | 1 |
| 3846 ncr5688 | O-linked N-acetylglucosamine(GlcNAc) transferase(UDP-N-acetylglucosamine:polypeptide-N-acetylglucosaminyl transferase) (OGT) | NM_003605.2 | 1 |
| 3847 MIOA5779a | Phosphoglucomutase and phosphomannomutase phosphoserine homologues (68% aa) | AL021481 | 1 |
| 3848 BFCW0352 | phosphoglycerate mutase 2 (muscle specific isozyme) (PGAM2) | M55673 | 1 |
| 3849 fcrb0212 | phosphoinositide-3-kinase, catalytic, alpha polypeptide (PIK3CA) | NM_006218.1 | 1 |
| 3850 SEOB0672a | phosphomannomutase 2 (PMM2) gene (5e-10 match) | AF157794.1 | 1 |
| 3851 mioa9491 | phosphoprotein enriched in astrocytes 15 (PEA15) mRNA | NM_003768.1 | 1 |
| 3852 SEOA5662a | platelet activating factor acetylhydrolase, brain isoform, 45 kDa subunit (LIS1) | U72342 | 1 |
| 3853 SEOA9883 | pyruvate dehydrogenase (lipoamide) beta (PDHB) | NM_000925.1 | 1 |
| 3854 hfc6400 | pyruvate kinase, muscle (PKM2)(=TCB) | NM_002654.1 | 1 |
| 3855 BFCS0345 | siah binding protein 1 (SiahBP1) | U51586 | 1 |
| 3856 SEOB0918 | sialidase 1 (lysosomal sialidase) (NEU1) | gi4557790 | 1 |
| 3857 fcrb2556 | sialyltransferase 4C (beta-galactosidase alpha-2,3-sialyltransferase) (SIAT4C), mRNA | NM_006278.1 | 1 |
| 3858 FCR4682 | sialyltransferase SThM (sthm) | U14550 | 1 |
| 3859 SEOB2958 | sorbitol dehydrogenase (SORD) | U67243.1 | 1 |
| 3860 MIOA1424 | suCRase-isomaltase (SI) | M84646 | 1 |

Figure 6A - Continued

| | | | |
|----------------|---|-------------|---|
| 3861 ncr0083 | UDP-galactose transporter related | AB041549.1 | 1 |
| 3862 SEOA0420 | UDP-galactose transporter related isozyme 1 | D87989.1 | 1 |
| 3863 ncr4975 | UDP-glucose:glycoprotein glucosyltransferase 2 (FLJ10873) | NM_020121.1 | 1 |
| 3864 ncr6147 | aldolase A, fructose-bisphosphate (ALDOA) | NM_000034.1 | 1 |
| 3865 miob6364 | acid phosphatase 1, soluble (ACP1), transcript variant a | NM_004300.1 | 1 |
| 3866 MIOA8971 | acyl-Coenzyme A oxidase 3, pristanoyl (ACOX3) | NM_003501.1 | 1 |
| 3867 FCR7059 | bleomycin hydrolase | X92106 | 1 |
| 3868 hfc8427 | casein kinase 1, epsilon (CSNK1E) | NM_001894.1 | 1 |
| 3869 fcrb1494 | casein kinase 2, alpha 1 polypeptide (CSNK2A1) | XM_049424.2 | 1 |
| 3870 fcrb1496 | casein kinase 2, beta polypeptide (CSNK2B) | NM_001320.1 | 1 |
| 3871 FCR1462 | casein kinase I gamma 2 (=AF001177) | U89896 | 1 |
| 3872 ncr8997 | cysteine knot superfamily 1, BMP antagonist 1 (CKTSF1B1) | NM_013372.1 | 1 |
| 3873 bfcw0579 | dual adaptor of phosphotyrosine and 3-phosphoinositides (DAPP1) | XM_052416.1 | 1 |
| 3874 SEOA1923 | GAP SH3 binding protein (Ras-GTPase-activating protein SH3-domain-binding protein (G3BP)) | U32519 | 1 |
| 3875 MIOA0890a | GAP-associated protein (p190) | M94721 | 1 |
| 3876 seob5668 | GAP-like protein (LOC51306) | NM_016603.1 | 1 |
| 3877 FCR7327 | kappa-casein | U51899 | 1 |
| 3878 ncr0107 | kinase substrate HASPP28 | U26541.1 | 1 |
| 3879 FCR4927 | lysosomal acid phosphatase (=X12548) | X15535 | 1 |
| 3880 FCR2908 | PALM (=D87460 (KIAA0270)) | Y16277 | 1 |
| 3881 FCR3043 | palmitoylated erythrocyte membrane protein (MPP1) | M64925 | 1 |
| 3882 ncr3979 | PHKB gene (exon 25) | X84930.1 | 1 |
| 3883 seob7189 | protein phosphatase (KAP1) | L27711.1 | 1 |
| 3884 MIOA0790 | protein phosphatase 1 (PPP1R5) | Y18207 | 1 |
| 3885 hfc3739 | protein phosphatase 1 regulatory subunit 7 (PPP1R7) | NM_002712.1 | 1 |
| 3886 fcrb0894 | protein phosphatase 1, catalytic subunit, alpha isoform (PPP1CA) | NM_002708.1 | 1 |
| 3887 mioa7740a | protein phosphatase 1, catalytic subunit, gamma isoform (PPP1CC), mRNA /cds=(154,1125) /gb=Nm_002710 /gi=4506006 /ug=Hs.79081 /len=2263 | Hs.79081 | 1 |
| 3888 ncr1975 | protein phosphatase 1, regulatory (inhibitor) subunit 5 (PPP1R5) | NM_005398.1 | 1 |
| 3889 SEOA5528a | protein phosphatase 1, regulatory subunit 10 (PPP1R10) (=Y13247 fb19) | gi4506008 | 1 |
| 3890 ncr9620 | protein phosphatase 1, regulatory(inhibitor) subunit 5 (RefSeq aa 5e-40) | NP_005389.1 | 1 |
| 3891 ncr7085 | protein phosphatase 1, regulatory subunit 7 (RefSeq aa 5e-77) | NP_002703.1 | 1 |
| 3892 fcrb1901 | protein phosphatase 1G (formerly 2C), magnesium-dependent, gamma isoform (PPM1G) | XM_033185.1 | 1 |
| 3893 fcrb1963 | protein phosphatase 2 (formerly 2A), regulatory subunit A (PR 65), beta isoform (PPP2R1B) | XM_041325.1 | 1 |
| 3894 ncr1624 | protein phosphatase 2, regulatory subunit B (B56), alpha isoform (PPP2R5A) | NM_006243.1 | 1 |
| 3895 SEOA0383 | protein phosphatase 2A B'alpha1 regulatory subunit (=D26445 KIAA0044) | U37352 | 1 |
| 3896 FCR0429 | protein phosphatase 2A regulatory subunit alpha-isotype (alpha-PR65) (=M31786 tumor antigen-associated 61kd protein) | J02902 | 1 |
| 3897 SEOA9046 | protein phosphatase 2C beta | AJ005458.1 | 1 |
| 3898 SEOA0038 | protein phosphatase 5 (=U25174) | X89416 | 1 |
| 3899 FCR6181 | protein phosphatase-1 catalytic subunit | M63960 | 1 |

Figure 6A - Continued

| | | | |
|----------------|--|-------------|---|
| 3900 fcrb1466 | protein tyrosine phosphatase receptor type K (PTPRK) | NM_002844.1 | 1 |
| 3901 SEOA4670a | protein tyrosine phosphatase(TEP1) (ORF) | U96180 | 1 |
| 3902 fcrb1201 | protein tyrosine phosphatase, receptor type, alpha polypeptide (PTPRA) | NM_002836.1 | 1 |
| 3903 ncr4869 | protein tyrosine phosphatase, receptor type, epsilon polypeptide (RefSeq aa 2e-43) | NP_006495.1 | 1 |
| 3904 ncr8232 | protein tyrosine phosphatase, receptor type, f polypeptide (PTPRF), interacting protein (liprin), alpha 2 (RefSeq aa 5e-75) | NP_003616.1 | 1 |
| 3905 hfc8983 | protein tyrosine phosphatase, receptor type, M (PTPRM) | NM_002845.1 | 1 |
| 3906 miob4561 | protein-tyrosine kinase, trkB | X75958.1 | 1 |
| 3907 SEOA5787 | 3-hydroxy-3-methylglutaryl-coenzyme A (HMG-CoA) reductase | M62633 | 1 |
| 3908 miob4104 | 3'-phosphoadenosine 5'-phosphosulfate synthetase (PAPSS) | AF105227.1 | 1 |
| 3909 ncr1101 | 3'-phosphoadenosine 5-prime-phosphosulfate synthase 1 | NP_005434.1 | 1 |
| 3910 hfc9681 | 5'(3')-deoxyribonucleotidase; RB-associated KRAB repressor (DNT), mRNA | NM_014595.1 | 1 |
| 3911 ncrb4000 | 5'-3' exoribonuclease 1 | NP_036046.1 | 1 |
| 3912 ncr0867 | 5'-3'exonuclease | X91617.1 | 1 |
| 3913 ncr4648 | 5'-nucleotidase (purine) | NM_012229.1 | 1 |
| 3914 hfc3453 | 6-O-methylguanine-DNA methyltransferase (MGMT) | M29971.1 | 1 |
| 3915 ncrb6085 | adenosine deaminase tRNA-specific 1 (ADAT1) | NM_012091.2 | 1 |
| 3916 SEOB1133 | adenosine monophosphate deaminase (isoform E) (AMPD3) | NM_000480.1 | 1 |
| 3917 miob3161 | adenosine triphosphatase | M95541.1 | 1 |
| 3918 hfc1646 | deoxyhypusine synthase | L39068.1 | 1 |
| 3919 ncr2730 | deoxyribonuclease I-like 3 (DNASE1L3) | NM_004944.1 | 1 |
| 3920 MIOA1300n | dinucleotide miCRosatellite HUJII77 | M96348 | 1 |
| 3921 ncr3034 | exoribonuclease 1 (Xrn1) | NM_011916.1 | 1 |
| 3922 ncr0495 | G/T MISMATCH-SPECIFIC THYMINE DNA GLYCOSYLASE | Q13569 | 1 |
| 3923 fcrb2196 | guanylate kinase 1 (GUK1) | XM_056887.1 | 1 |
| 3924 seob4076 | inorganic pyrophosphatase | AF119665.1 | 1 |
| 3925 hfc9835 | nucleoside diphosphate kinase homolog (DR-nm23) gene, complete sequence | U80813.1 | 1 |
| 3926 hfc3070 | nudix (nucleoside diphosphate linked moiety X)-type motif 3 (NUDT3), mRNA | NM_006703.1 | 1 |
| 3927 ncrb2339 | nudix (nucleoside diphosphate linked moiety X)-type motif 6 (NUDT6)= AF019633 antisense basic fibroblast growth factor B alternatively spliced mRNA, | NM_007083.1 | 1 |
| 3928 hfc5872 | phosphodiesterase 10A (PDE10A) | NM_006661.1 | 1 |
| 3929 seob4363 | phosphodiesterase 1A, calmodulin-dependent (PDE1A) | NM_005019.1 | 1 |
| 3930 hfc3467 | phosphodiesterase 2A cGMP-stimulated (PDE2A) | NM_002599.1 | 1 |
| 3931 ncrb0897 | phosphodiesterase 4B, cAMP-specific(dunce (Drosophila)-homolog phosphodiesterase E4) (RefSeq aa 3e-43) | NP_002591.1 | 1 |
| 3932 hfc9924 | phosphodiesterase I/nucleotide pyrophosphatase 2 (autotaxin) (PDNP2) (=autotaxin-t (atx-t) gene) | NM_006209.1 | 1 |
| 3933 MIOA1304 | RhoGAP, rat homologue (chromosome 13) | gi4902677 | 1 |
| 3934 BFCW0467 | ribonuclease A (RNase A) | D26129 | 1 |
| 3935 hfc2894 | ribonuclease HI, large subunit (RNASEHI) | NM_006397.1 | 1 |
| 3936 ncr1592 | ribonuclease P (30kD) (RefSeq aa 2e-78) | NP_006404.1 | 1 |
| 3937 FCR5712 | RIBONUCLEASE PH-LIKE PROTEIN B0564.1 | spQ17533 | 1 |

Figure 6A - Continued

| | | | |
|----------------|--|-------------|---|
| 3938 FCR5412 | rod cGMP-phosphodiesterase gamma-subunit (PDEG) | U00482 | 1 |
| 3939 ncr0612 | RY-1 putative nucleic acid binding protein | X76302.1 | 1 |
| 3940 FCR5822 | single strand DNA-binding protein | AF077048.1 | 1 |
| 3941 FCR4503 | thymidine kinase 1, soluble (TK1) | K02581 | 1 |
| 3942 ncr6778 | thymine-DNA glycosylase (TDG) | NM_003211.1 | 1 |
| 3943 FCR5339 | L apoferritin | X03742 | 1 |
| 3944 BFCS0286 | long-chain-fatty-acid-CoA ligase, homologue (SW:P29212) | Z81071 | 1 |
| 3945 FCR5895 | 3-hydroxyisobutyryl-coenzyme A hydrolase | U66669 | 1 |
| 3946 FCR0535 | 43 kDa inositol polyphosphate 5-phosphatase | Z31695 | 1 |
| 3947 SEOB0007 | 7-dehydrocholesterol reductase (DHCR7) | AF067127.1 | 1 |
| 3948 BFCW0160 | abc1 | X75926 | 1 |
| 3949 FCR0872 | acetyl-CoA carboxylase | X68968 | 1 |
| 3950 SEOB3564 | acetyl-Coenzyme A acyltransferase 2 (mitochondrial 3-oxoacyl-Coenzyme A thiolase) (ACAA2), nuclear gene encoding mitochondrial protein | NM_006111.1 | 1 |
| 3951 SOA0105 | acylphosphatase 2, muscle type (ACYP2) | X84195 | 1 |
| 3952 MIOA1785 | alcohol dehydrogenase beta-1-subunit (ADH1-2 allele) | X03350 | 1 |
| 3953 FCR4763 | alpha-methylacyl-CoA racemase | AF047020 | 1 |
| 3954 FCR6329 | aquaporin adipose | AB006190 | 1 |
| 3955 FCR1997 | carnitine carrier | Y10319 | 1 |
| 3956 ncr2966 | carnitine octanoyltransferase | AF073770.1 | 1 |
| 3957 MIOA3335a | carnitine palmitoyltransferase II, precursor (CPT1) | U09646 | 1 |
| 3958 ncrb5192 | CDP-diacylglycerol synthase(phosphatidate cytidyltransferase) 1 (RefSeq aa 4e-40) | NP_001254.1 | 1 |
| 3959 FCR6635 | choline kinase isolog 384D8_3 | U62317 | 1 |
| 3960 ncrb1515 | choline phosphotransferase 1 beta (=cholinephosphotransferase 1 alpha)(= AAPT1-like protein) | AF195624.1 | 1 |
| 3961 SEOB2797 | CTL1 protein (70% aa) | AJ245620 | 1 |
| 3962 hcr3067 | CTL2 gene | AJ245621.1 | 1 |
| 3963 hcr1639 | delta-6 fatty acid desaturase (FADS6) | NM_004265.1 | 1 |
| 3964 ncr7180 | dihydrolipoamide acetyltransferase (PDC-E2) (EC 2.3.1.12) | Y00978.1 | 1 |
| 3965 ncrb8703 | dihydrolipoamide branched chain transacylase (E2 component of branched chain keto acid dehydrogenase complex; maple syrup urine disease) | XP_001705.1 | 1 |
| 3966 ncr5065 | Drosophila fat facets related, X-linked (RefSeq aa 5e-56) | NP_004643.1 | 1 |
| 3967 SEOA8556 | fat facets protein | AJ012078 | 1 |
| 3968 ncr1367 | fatty acid binding protein 3, muscle and heart (mammary-derived growth inhibitor) (FABP3) | NM_004102.2 | 1 |
| 3969 hcr5971 | fatty acid binding protein 7, brain (FABP7) mRNA | NM_001446.1 | 1 |
| 3970 SEOA0792 | fatty acid desaturase MLD, putative (contains Alu repeat) | AF002668 | 1 |
| 3971 ncrb5608 | fatty-acid-Coenzyme A ligase, long-chain 3 (RefSeq aa 4e-31) | NP_004448.1 | 1 |
| 3972 SEOB0370 | fumarylacetoacetate hydrolase | M55150.1 | 1 |
| 3973 ncr0174 | geranylgeranyl diphosphate synthase 1(RefSeq aa 1e-34) | NP_004828.1 | 1 |
| 3974 ncr1631 | hydroxysteroid (17-beta) dehydrogenase 7 (RefSeq aa 4e-86) | NP_057455.1 | 1 |
| 3975 FCR1756 | L-3-hydroxyacyl-CoA dehydrogenase (=AF001902) | X96752 | 1 |
| 3976 SEOA7920a | lanosterol 14-alpha demethylase cytochrome P450 (CYP51) | U51692.1 | 1 |
| 3977 ncr2670 | lipoyltransferase, complete cds | AB017567.1 | 1 |

Figure 6A - Continued

| | | | |
|----------------|---|-------------|---|
| 3978 ncrb4474 | methyImalonate-semialdehyde dehydrogenase (MMSDH) | NM_005589.1 | 1 |
| 3979 BFCW0268 | mitochondrial short-chain enoyl-CoA hydratase | D13900 | 1 |
| 3980 hfcr6515 | muscle fatty-acid-binding protein (FABP) | X56549.1 | 1 |
| 3981 ncrb2256 | neuronal PAS domain protein 3 (Npas3) | NM_013780.1 | 1 |
| 3982 ncr4604 | oxysterol binding protein (RefSeq aa 1e-87) | NP_002547.1 | 1 |
| 3983 fCR0918 | p55PIK phosphatidylinositol 3-kinase regulatory subunit | S79169 | 1 |
| 3984 MIOB1573 | perilipin | AB005293.1 | 1 |
| 3985 seob4213 | phosphatidylcholine 2-acylhydrolase (cPLA2) | M68874.1 | 1 |
| 3986 ncrb7200 | phosphatidylinositol 3-kinase, class 3 (RefSeq aa 2e-88) | NP_002638.1 | 1 |
| 3987 ncr4793 | Phosphatidylinositol transfer protein (PI-TPalpha) | D30036.1 | 1 |
| 3988 MIOA4278 | phospholipase C, epsilon (PLCE)=D42108 | NM_006226.1 | 1 |
| 3989 seob5363 | Phospholipase C-delta1 (Plcd1) | NM_017035.1 | 1 |
| 3990 ncr7341 | phospholipase D1, phosphatidylcholine-specific (PLD1) | NM_002662.1 | 1 |
| 3991 seoa6788 | pleckstrin homology domain-containing, family A (phosphoinositide binding specific) member 1 (PLEKHA1), mRNA | XM_011878.3 | 1 |
| 3992 MIOA2273a | prostaglandin endoperoxide H synthase-1 | AF129755.1 | 1 |
| 3993 MIOA2691a | prostaglandin endoperoxide synthase-2, PTGS2 | D28235 | 1 |
| 3994 MIOA3944a | RASF-A PLA2 (synovial phospholipase) | M22431 | 1 |
| 3995 MIOA3891a | RED CELL ACID PHOSPHATASE 1, ISOZYME F (ACP1) (LOW MOLECULAR WEIGHT PHOSPHOTYROSINE PROTEIN PHOSPHATASE) (ADIPOCYTE ACID PHOSPHATASE, ISOZYME ALPHA) (62% aa) | spP24666 | 1 |
| 3996 hfcr5454 | Sac domain-containing inositol phosphatase 2 (SAC2) | NM_014937.1 | 1 |
| 3997 FCR0999 | saposin proteins A-D | M32221 | 1 |
| 3998 MIOA2862a | squalene synthase | X69141 | 1 |
| 3999 SEOA5162a | steroid 5-alpha-reductase | M32313 | 1 |
| 4000 fCR0837 | steroid membrane binding protein | X99714 | 1 |
| 4001 MIOA0595a | steroid sulfatase (STS) | M16505 | 1 |
| 4002 ncrb5653 | tissue factor pathway inhibitor (lipoprotein-associated coagulation inhibitor) (RefSeq aa 1e-41) | NP_006278.1 | 1 |
| 4003 hfcr3534 | urf4 (ORF)= NADH-UBIQUINONE OXIDOREDUCTASE CHAIN= P03905 | L00016 | 1 |
| 4004 SEOA9060 | ATP SYNTHASE B CHAIN, MITOCHONDRIAL PRECURSOR | spP24539 | 1 |
| 4005 FCR1741 | ATP synthase inhibitor protein | M22559 | 1 |
| 4006 MIOA0707 | ATP synthase subunit c, P1 | D13118 | 1 |
| 4007 hfcr6692 | ATP synthase, H transporting, mitochondrial F0 complex, subunit c (subunit 9), isoform 2 (ATP5G2) | NM_005176.3 | 1 |
| 4008 hfcr5961 | ATP synthase, H transporting, mitochondrial F1 complex, beta polypeptide(ATP5B), nuclear gene encoding mitochondrial protein,=(F1 beta subunit) | NM_001686.1 | 1 |
| 4009 ncr5416 | ATP synthase, H transporting, mitochondrial F1 complex, epsilon subunit(ATP5E) | NM_006886.1 | 1 |
| 4010 ncrb6327 | ATP synthase, H transporting, mitochondrial F1 complex, O subunit (oligomycinsensitivity conferring protein) (RefSeq aa 5e-88) | NP_001688.1 | 1 |
| 4011 MIOA3646a | ATP synthetase beta-subunit | X05606 | 1 |
| 4012 FCR0955 | ATP synthetase epsilon-subunit, nuclear-encoded mitochondrial | X16978 | 1 |
| 4013 hfcr2238 | ATP(GTP)-binding protein | AJ010842.1 | 1 |
| 4014 ncrb1175 | breast cancer metastasis-suppressor 1 (BRMS1) | AF159141.1 | 1 |

Figure 6A - Continued

| | | | |
|----------------|---|-------------|---|
| 4015 ncr8594 | COX15 (yeast) homolog, cytochrome c oxidase assembly protein (COX15) | NM_004376.1 | 1 |
| 4016 ncr0524 | CYTOCHROME B | P00156 | 1 |
| 4017 MIOA4082a | cytochrome b large subunit of complex II | D49737 | 1 |
| 4018 MIOA0482n | cytochrome bc-1 complex core P | S74321 | 1 |
| 4019 MIOA5893a | cytochrome c oxidase chain I [MesoCRicetus auratus] | U97674 | 1 |
| 4020 ncr5293 | cytochrome c oxidase subunit II [Artibeus jamaicensis] | AF061340 | 1 |
| 4021 ncr9401 | cytochrome c oxidase subunit IV (COX4), nuclear gene encoding mitochondrial | NM_001861.1 | 1 |
| 4022 SEOA5843 | cytochrome c oxidase subunit VIb (EC 1.9.3.1) | X13923 | 1 |
| 4023 ncr9438 | cytochrome c oxidase subunit VIIa polypeptide 1 (muscle) (RefSeq aa 3e-40) | NP_001855.1 | 1 |
| 4024 MIOA3452a | cytochrome c oxidase VIIC (EC 1.9.3.1) | X52940 | 1 |
| 4025 fcrb1867 | cytochrome c-1 (CYC1) | NM_001916.1 | 1 |
| 4026 SEOA8550 | cytochrome oxidase I | CAA24028.1 | 1 |
| 4027 ncr7629 | cytochrome-c oxidase (EC 1.9.3.1) chain I | C59153 | 1 |
| 4028 seob6704 | ferredoxin 1 (FDX1) mRNA | NM_004109.1 | 1 |
| 4029 ncrb8468 | glyoxylate reductase/hydroxypyruvate reductase (RefSeq aa 1e-62) | NP_036335.1 | 1 |
| 4030 ncrb8102 | GTP AMP phosphotransferase mRNA, complete cds; nuclear gene for mitochondrial product | AF183419.1 | 1 |
| 4031 hfcr9285 | Hsa4 mitochondrion cytochrome oxidase subunit II (COII) gene | U12692.1 | 1 |
| 4032 hfcr5522 | isocitrate dehydrogenase | U52144.1 | 1 |
| 4033 hfcr0225 | isocitrate dehydrogenase 1 (NADP), soluble (IDH1) | NM_005896.1 | 1 |
| 4034 hfcr1694 | isocitrate dehydrogenase 3 (NAD) gamma (IDH3G) | NM_004135.1 | 1 |
| 4035 FCR5875 | malate dehydrogenase precursor (MDH) (mitochondrial) | AF047470 | 1 |
| 4036 ncr7295 | malonyl-CoA decarboxylase precursor (MLYCD) | AF097832.2 | 1 |
| 4037 BFCW0108 | mitochondria isolate Aus3 cytochrome b (CYTB) | AF042516 | 1 |
| 4038 fcrb1922 | mitochondria solute carrier protein (MSCP) | AY032628.1 | 1 |
| 4039 miob2926 | mitochondrial (Asian) DNA control region, sequence 87 | M76321.1 | 1 |
| 4040 FCR4468 | mitochondrial ATP synthase c subunit (P2 form) | X69908 | 1 |
| 4041 FCR7403 | mitochondrial ATPase subunit 9 | M16439 | 1 |
| 4042 SEOA0388 | mitochondrial carrier homologue 1 (=CGI protein) | AF176006.1 | 1 |
| 4043 FCR6698 | mitochondrial control region II, sample NG14 | L39338 | 1 |
| 4044 SEOB0536 | mitochondrial cytochrome b | AB033713.1 | 1 |
| 4045 MIOA3602a | MITOCHONDRIAL CYTOCHROME B-245 HEAVY CHAIN (P22 PHAGOCYTE B-CYTOCHROME) (NEUTROPHIL CYTOCHROME B, 91 KD POLYPEPTIDE) (CGD91-PHOX) (GP91-PHOX) | spQ61093 | 1 |
| 4046 SEOA2194a | mitochondrial cytochrome c oxidase subunits I, II and III, and ATPase subunit 6 | M27315 | 1 |
| 4047 MIOA2569a | mitochondrial D-loop (isolate RomB15) | AJ230609.1 | 1 |
| 4048 fcrb1759 | mitochondrial DNA complete genome | X93334.1 | 1 |
| 4049 ncrb8206 | mitochondrial DNA, | D38112.1 | 1 |
| 4050 MIOA4068a | mitochondrial genes coding for three transfer RNAs (specific for Phe, Val and Leu) | V00665 | 1 |
| 4051 hfcr9726 | mitochondrial glutathione reductase and cytosolic glutathione reductase (GRD1) gene, complete cds, alternatively spliced | AF228703.1 | 1 |
| 4052 SEOA0512 | mitochondrial HSP75 | L15189 | 1 |
| 4053 MIOA7481a | mitochondrial initiation factor 2 | L34600 | 1 |
| 4054 seob5033 | mitochondrial intermediate peptidase (MIPEP), nuclear gene encoding mitochondrial protein | NM_005932.1 | 1 |

Figure 6A - Continued

| | | | |
|----------------|---|-------------|---|
| 4055 seob4172 | MITOCHONDRIAL PROCESSING PEPTIDASE BETA SUBUNIT PRECURSOR (BETA-MPP) (P-52) | spO75439 | 1 |
| 4056 MIOA1303 | mitochondrial processing peptidase beta-subunit | AF054182 | 1 |
| 4057 fcrb2168 | mitochondrial solute carrier (LOC51312) | XM_040570.1 | 1 |
| 4058 ncrb0513 | NAD(P)H: quinone oxidoreductase gene | M81600.1 | 1 |
| 4059 FCR1237N | NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 7 (18kD, B18) (NDUFB7) (= M33374 cell adhesion protein (SQM1)) | gi4758781 | 1 |
| 4060 ncr1939 | NADH dehydrogenase (ubiquinone) Fe-Sprotein 4 (18kD) (NADH-coenzyme Q reductase) (RefSeq aa 4e-63) | NP_002486.1 | 1 |
| 4061 ncr6128 | NADH dehydrogenase subunit 3(RefSeq aa 8e-35) | gi5835395 | 1 |
| 4062 ncrb1788 | NADH dehydrogenase subunit 5 (RefSeq aa 3e-31) | gi5835398 | 1 |
| 4063 ncrb4072 | NADH dehydrogenase(ubiquinone) 1 alpha subcomplex, 10 (42kD) (NDUFA10) | NM_004544.1 | 1 |
| 4064 hfcr1910 | NADH:ubiquinone oxidoreductase MLRQ subunit homolog | AF164796.1 | 1 |
| 4065 MIOA6913a | NADH:ubiquinone oxidoreductase NDUFS3 (ORF) | AF067139 | 1 |
| 4066 ncrb2523 | NADH-cytochrome b5 reductase isoform | AF125533.1 | 1 |
| 4067 SEOA8543 | NADH-UBIQUINONE OXIDOREDUCTASE 18 KD SUBUNIT PRECURSOR (COMPLEX I-18 KD) (CI-18 KD) (COMPLEX I-AQDQ) (CI-AQDQ) | spO43181 | 1 |
| 4068 seoa8026 | NADH-UBIQUINONE OXIDOREDUCTASE 30 KD SUBUNIT PRECURSOR (COMPLEX I-30KD) (CI-30KD) | P23709 | 1 |
| 4069 FCR0297 | NADH-UBIQUINONE OXIDOREDUCTASE B17 SUBUNIT (COMPLEX I-B17) (CI-B17) | spQ29259 | 1 |
| 4070 seob3670 | NADH-ubiquinone oxidoreductase B8 subunit mRNA, nuclear gene encoding mitochondrial protein, | AF077029 | 1 |
| 4071 hfcr3972 | NADH-UBIQUINONE OXIDOREDUCTASE CHAIN 3 | P03897 | 1 |
| 4072 ncr0171 | NADH-UBIQUINONE OXIDOREDUCTASE CHAIN 5 | P03915 | 1 |
| 4073 SEOA8276 | NADH-UBIQUINONE OXIDOREDUCTASE MWFE SUBUNIT (COMPLEX I-MWFE) (CI-MWFE) | spO15239 | 1 |
| 4074 ncrb0798 | NADH-ubiquinone oxidoreductase subunit B14.5B homolog mRNA, complete cds | AF070652.1 | 1 |
| 4075 FCR4160 | NADH-ubiquinone oxidoreductase subunit CI-B8 | AF047185 | 1 |
| 4076 FCR7031 | NADPH-flavin reductase | D26308 | 1 |
| 4077 ncr1351 | NDUFB8 gene | Y16004.1 | 1 |
| 4078 ncrb5609 | NRH:quinone oxidoreductase 2 gene (NQO2) | AB050248.1 | 1 |
| 4079 FCR6455 | nuclear aconitase (mitochondrial) | U80040 | 1 |
| 4080 MIOA5326a | p6=cytochrome c oxidase subunit VIc homolog/COSVIc/prostatic carcinoma upregulated gene (ORF) | S82616 | 1 |
| 4081 ncrb0564 | quinolinate phosphoribosyltransferase (nicotinate-nucleotide pyrophosphorylase (carboxylating)) (QPRT), mRNA | NM_014298.2 | 1 |
| 4082 hfcr9940 | succinate dehydrogenase iron-protein subunit (sdhB) gene | U17248.1 | 1 |
| 4083 hfcr3921 | Succinic semialdehyde dehydrogenase (SSADH) (ORF) | NM_001080.1 | 1 |
| 4084 miob1125 | succinyl-CoA synthetase GTP-specific beta subunit | AF171077.1 | 1 |
| 4085 SEOA6887 | UBIQUINOL-CYTOCHROME C REDUCTASE COMPLEX UBIQUINONE-BINDING PROTEIN QP-C(UBIQUINOL-CYTOCHROME C REDUCTASE COMPLEX 9.5 KD PROTEIN) (COMPLEX III SUBUNIT VII) | spO14949 | 1 |
| 4086 ncrb5227 | beacon | AAG34704.1 | 1 |
| 4087 SEOA0045n | biotinidase | U03274 | 1 |

Figure 6A - Continued

| | | | |
|----------------|--|-------------|---|
| 4088 BFC0198 | dihydroxypolyprenylbenzoate methyltransferase (low match) | L20427 | 1 |
| 4089 fcrb1241 | folypolyglutamate synthase (FPGS) mRNA | NM_004957.1 | 1 |
| 4090 hfcr9475 | isolate sporadic PCT patient 10 uroporphyrinogen decarboxylase (UROD) | AF104440.1 | 1 |
| 4091 SEOA9321 | non-functional folate binding protein | NP_037439.1 | 1 |
| 4092 ncr3319 | nonfunctional GM3 synthase | AF119417.1 | 1 |
| 4093 hfcr1806 | Porphobilinogen deaminase (PBG-D, EC 4.3.1.8)(=hydroxymethylbilane synthase) | X04217.1 | 1 |
| 4094 FCR3706 | pterin-4a-carbinolamine dehydratase (PCBD) (=M83742 cofactor) | L41559 | 1 |
| 4095 seob6414 | nonhepatic arginase | D86724.1 | 1 |
| 4096 ncrb2428 | 6-pyruvoyltetrahydropterin synthase(RefSeq aa 7e-39) | NP_000308.1 | 1 |
| 4097 MIOA9061 | amine oxidase, copper containing 3 (vascular adhesion protein 1) (AOC3), mRNA | NM_003734.2 | 1 |
| 4098 BFCN0124 | Arg/Abl-interacting protein ArgBP2a (ArgBP2a) (=AB018320 hypothetical protein (KIAA0777)) | AF049884 | 1 |
| 4099 ncr0791 | ArgBPIB protein (=Arg protein tyrosine kinase-binding protein) | X95677.1 | 1 |
| 4100 FCR5407 | arginine methyltransferase | Y10806 | 1 |
| 4101 ncr6408 | aspartate aminotransferase 1 (RefSeq aa 1e-51) | NP_002070.1 | 1 |
| 4102 ncr1775 | basic leucine zipper nuclear factor 1 (JEM-1) (BLZF1) | NM_003666.1 | 1 |
| 4103 mioa7688a | colon and small intestine-specific cysteine-rich protein precursor similar to FIZZ2/resistin-like protein (HXCP2), mRNA /cds=(98,433) /gb=Nm_032579 /gi=14211896 /ug=Hs.307047 /len=1250 | Hs.307047 | 1 |
| 4104 ncr2273 | cytidine deaminase | AF061658.1 | 1 |
| 4105 HFCR3256 | DHHC1 protein | AF247703.1 | 1 |
| 4106 seob7931 | dipeptidyl peptidase IV (CD26) | U13735.1 | 1 |
| 4107 fcrb2462 | duodenal cytochrome b (FLJ23462), mRNA | XM_015916.2 | 1 |
| 4108 ncr1420 | extremely cysteine/valine rich protein [Leishmania major] | AL390114 | 1 |
| 4109 MIOA7241a | fucosidase, alpha-L- 1, tissue (FUCA1) | gi4503802 | 1 |
| 4110 hfcr6524 | fumarase nuclear gene encoding mitochondrial protein | U48857.1 | 1 |
| 4111 SEOA3063a | fumarase precursor (FH) (mitochondrial) | U59309 | 1 |
| 4112 fcrb2160 | gamma-glutamyl hydrolase (conjugase, folypolygammaglutamyl hydrolase) (GGH) | XM_005313.4 | 1 |
| 4113 ncr3453 | glutaminase isoform C mRNA, 3'UTR | AF097494.1 | 1 |
| 4114 seoa6801 | glutaminy-peptide cyclotransferase (glutaminy cyclase) (QPCT), mRNA /cds=(11,1096) /gb=Nm_012413 /gi=9257235 /ug=Hs.79033 /len=1573 | Hs.79033 | 1 |
| 4115 ncr3138 | glycine C-acetyltransferase (2-amino-3-ketobutyrate-CoA ligase) (GCAT) | NM_014291.1 | 1 |
| 4116 ncr6435 | glycine cleavage system protein H (aminomethyl carrier) (RefSeq aa 2e-43) | NP_004474.1 | 1 |
| 4117 FCR6866 | glycine-rich protein 2 | AJ130887 | 1 |
| 4118 FCR3883 | glycosylasparaginase (=X55330;M64073) | X55762 | 1 |
| 4119 fcrb1604 | glycosyltransferase (LOC83468) | XM_049187.2 | 1 |
| 4120 SEOA6235 | H-protein | M69175 | 1 |
| 4121 hfcr3579 | HPV16 E1 protein binding protein | U96131.1 | 1 |
| 4122 ncrb5272 | HPV-16 E2 binding protein (E2BP-1) (=TCFL5) | AF070992.1 | 1 |
| 4123 FCR4467 | isoleucyl-tRNA synthetase | D28473 | 1 |
| 4124 ncr6953 | isovaleryl-CoA dehydrogenase (IVD) gene, exon 12 and partial cds | AF038318.1 | 1 |
| 4125 ncr4224 | Kreisler (mouse) maf-related leucine zipper homolog (KRML) | NM_005461.1 | 1 |

Figure 6A - Continued

| | | | |
|----------------|--|-------------|---|
| 4126 miob3794 | kynurenine 3-monooxygenase (kynurenine 3-hydroxylase) (KMO) | NM_003679.1 | 1 |
| 4127 ncr3255 | lacrimal proline rich protein (RefSeq aa 2e-78) | NP_009175.1 | 1 |
| 4128 SEOA2413 | L-arginine:glycine amidinotransferase | X86401 | 1 |
| 4129 MIOA4109 | Leu zipper protein p40(61%) | gi 382917 | 1 |
| 4130 FCR3528 | leucine zipper protein Fip3p (=AF074382 IkB kinase gamma subunit) | AF062089 | 1 |
| 4131 fcrb1996 | leucine-zipper protein FKSG13 (LOC90598) | XM_032849.1 | 1 |
| 4132 seob7681 | lysosomal glycosylasparaginase (AGA) (=X55330.1 aspartylglucosaminidase) | U21281.1 | 1 |
| 4133 ncr0007 | MBIP protein (MBIP) | NM_016586.1 | 1 |
| 4134 SEOA6078a | methionine adenosyltransferase regulatory beta subunit | AF182814 | 1 |
| 4135 ncr0291 | methionyl tRNA synthetase | D84224 | 1 |
| 4136 hfcr9995 | methyl-CpG binding domain protein 3 (MBD3) | NM_003926.4 | 1 |
| 4137 ncr9707 | mitochondrial isoleucine tRNA synthetase, Length = 3387 | D28500.1 | 1 |
| 4138 MIOA7593a | ornithine decarboxylase (contains Alu repeat) | M33764 | 1 |
| 4139 ncr0851 | ornithine decarboxylase antizyme 2 (OAZ2) | NM_002537.1 | 1 |
| 4140 SEOA3144 | orotidine 5'-monophosphate decarboxylase | M36661 | 1 |
| 4141 FCR5627 | periodic tryptophan protein 2 (PWP2) | U56085 | 1 |
| 4142 ncr4757 | polyglutamine-containing C14ORF4 gene | AJ277365.1 | 1 |
| 4143 hfcr7498 | proline isomerase FK506-binding protein (FKBP13) gene | L18980.1 | 1 |
| 4144 miob6728 | pyrroline-5-carboxylate synthase long form (P5CSL) | U76542.1 | 1 |
| 4145 ncr6316 | selenium binding protein 1 (RefSeq aa 8e-40) | NP_003935.1 | 1 |
| 4146 hfcr7320 | selenocysteine lyase (SCLY) | NM_016510.1 | 1 |
| 4147 fcrb1611 | serine (or cysteine) proteinase inhibitor, clade H (heat shock protein 47) member 2 (SERPINH2) | XM_035024.2 | 1 |
| 4148 ncr3161 | serine carboxypeptidase 1 precursor protein (HSCP1) | NM_021626.1 | 1 |
| 4149 seob7304 | spermine synthase gene | AJ009633.1 | 1 |
| 4150 hfcr6288 | suppressor of S. cerevisiae gcr2 (HSGT1) | NM_007265.1 | 1 |
| 4151 FCR2842N | BCS1 (yeast homolog)-like (BCS1L) | AF026849 | 1 |
| 4152 mioa9258 | SCAD gene, 5' UTR exon 1 and 2 (and joined CDS) | Z80345.1 | 1 |
| 4153 hfcr3450 | selenoprotein N | AF166125.1 | 1 |
| 4154 hfcr0710 | selenoprotein X (LOC51734) | NM_016332.1 | 1 |
| 4155 fcrb2437 | LENG5 protein (LENG5), mRNA | NM_024075.1 | 1 |
| 4156 FCR5472 | cap-binding protein 4EHP | AF047695 | 1 |
| 4157 ncr8867 | elongin B; transcription elongation factor B, polypeptide 2 (RefSeq aa 2e-44) | NP_009039.1 | 1 |
| 4158 miob2903 | eukaryotic initiation factor 2B-epsilon | U23028.1 | 1 |
| 4159 FCR5728 | eukaryotic translation initiation factor (eIF3) | U78525 | 1 |
| 4160 ncrb6949 | eukaryotic translation initiation factor 1A (RefSeq aa 6e-69) | NP_001403.1 | 1 |
| 4161 miob0784 | eukaryotic translation initiation factor 3, subunit 5 (epsilon, 47kD) (EIF3S5) | NM_003754.1 | 1 |
| 4162 hfcr3540 | eukaryotic translation initiation factor 3, subunit 8 (110kD) (EIF3S8)(ORF) | NM_003752.2 | 1 |
| 4163 hfcr8591 | eukaryotic translation initiation factor 3, subunit 9 (eta, 116kD) (EIF3S9) | NM_003751.1 | 1 |
| 4164 ncrb1802 | eukaryotic translation initiation factor 4 gamma, 3 (EIF4G3) | NM_003760.2 | 1 |
| 4165 ncrb6480 | hydatidiform mole associated and imprinted (HYMAI) | AF241534.1 | 1 |
| 4166 seob4539 | initiation factor eIF-2B gamma subunit (eIF-2B gamma) | U38253.1 | 1 |
| 4167 ncr5803 | MAMMA1 cDNA clone MAMMA1001942 5 | AU122237.1 | 1 |
| 4168 SEOA6144a | met-tRNA-i gene 2 (clone lambda-htm2) | J00311 | 1 |
| 4169 hfcr1254 | peptide elongation factor 1-beta mRNA, complete cds | AF103726 | 1 |

Figure 6A - Continued

| | | | |
|----------------|---|-------------|---|
| 4170 mioa0571a | region containing eukaryotic translation elongation factor 1 alpha 1-like 14; eukaryotic translation elongation factor 1 alpha 1(LOC82256) | XM_016036.1 | 1 |
| 4171 hfcr7815 | translation initiation factor 4e | AF038957.1 | 1 |
| 4172 SEOB3589 | translation repressor NAT1 (=eukaryotic translation initiation factor 4 gamma, 2 (EIF4G2)) | U76111.1 | 1 |
| 4173 SEOA0545A | unr-interacting protein | AJ010025.1 | 1 |
| 4174 seob6342 | 838.98 23S ribosomal RNA gene | AF146762.1 | 1 |
| 4175 mioa9541 | GAR1 protein (GAR1 gene) | AJ276003.1 | 1 |
| 4176 fcrb1541 | mitochondrial ribosomal protein L11 (MRPL11) | XM_006493.4 | 1 |
| 4177 seoa7890a | mitochondrial ribosomal protein L18 (MRPL18), mRNA /cds=(123,662) /gb=NM_014161 /gi=7661777 /ug=Hs.23038 /len=968 | Hs.23038 | 1 |
| 4178 seoa7707a | mitochondrial ribosomal protein L22 (MRPL22), mRNA /cds=(6,692) /gb=NM_014180 /gi=7661815 /ug=Hs.41007 /len=724 | Hs.41007 | 1 |
| 4179 seoa7975 | mitochondrial ribosomal protein L3 (MRPL3), mRNA /cds=(76,1122) /gb=NM_007208 /gi=6005861 /ug=Hs.79086 /len=1634 | Hs.79086 | 1 |
| 4180 seoa7839a | mitochondrial ribosomal protein L33 (MRPL33), mRNA /cds=(35,232) /gb=NM_004891 /gi=4759047 /ug=Hs.14454 /len=512 | Hs.14454 | 1 |
| 4181 BFCN0203 | mitochondrial ribosomal protein S12 | Y11681 | 1 |
| 4182 mioa7875 | mitochondrial ribosomal protein S21 (MRPS21), transcript variant 2, nuclear gene encoding mitochondrial protein, mRNA /cds=(518,781) /gb=NM_018997 /gi=16950592 /ug=Hs.81281 /len=939 | Hs.81281 | 1 |
| 4183 seoa8126 | mitochondrial ribosomal protein S30 (MRPS30), mRNA /cds=(38,1357) /gb=NM_016640 /gi=16950598 /ug=Hs.28555 /len=1482 | Hs.28555 | 1 |
| 4184 ncr3655 | ribosomal L21 protein gene | L38826.1 | 1 |
| 4185 FCR4212 | ribosomal protein (RPS4Y) isoform | M58459 | 1 |
| 4186 ncr5760 | ribosomal protein 60S acidic ribosomal | NM_016183.1 | 1 |
| 4187 mioa9722 | ribosomal protein L17 isolog | AF164797 | 1 |
| 4188 SEOA3737a | ribosomal protein L20 | AE002038 | 1 |
| 4189 FCR1312 | ribosomal protein LLRep3 | X17206 | 1 |
| 4190 ncrc9867 | ribosomal protein, complete cds | D23660.1 | 1 |
| 4191 FCR6630 | ribosomal RNA 12S | X13956 | 1 |
| 4192 SEOA4293a | ribosomal RNA 23S gene | AF146762 | 1 |
| 4193 MIOB2859 | ribosomal RNA 28S | M30952.1 | 1 |
| 4194 ncr4539 | Ribosomal RNA processing | NM_014285.1 | 1 |
| 4195 SEOA6504a | ribosomal RNA, large subunit ATCC 46578 | U17421 | 1 |
| 4196 MIOA2214a | ribosomal subunit protein L13 | AE000402 | 1 |
| 4197 SEOB1008 | ribosome associated membrane protein RAMP4 | AJ238236.1 | 1 |
| 4198 BFCW0530 | ribosome receptor, p180 | X87224 | 1 |
| 4199 fcrb2757 | RPL15 gene for ribosomal protein L15, complete cds and sequence | AB061823.1 | 1 |
| 4200 ncrc3648 | RPL6 gene for ribosomal protein L6, complete cds | AB042820.1 | 1 |
| 4201 SEOA8783 | STEROL-REGULATORY ELEMENT-BINDING PROTEINS INTRAMEMBRANE PROTEASE (SITE-2 PROTEASE) | spO43462 | 1 |
| 4202 ncrb4390 | surf3 gene (ribosomal protein L7a) | X61923.1 | 1 |
| 4203 MIOA4686 | acid sphingomyelinase (ASM) gene, exons a, and alternative a (3' end), b and c (5' end). | M59917 | 1 |
| 4204 SEOA6661a | ADAMTS-1 | AB001735 | 1 |
| 4205 seob7906 | amyloid precursor protein homolog HSD-2 | AF168956.1 | 1 |
| 4206 MIOA7606a | amyloid precursor protein-binding protein 1 | U50939 | 1 |
| 4207 FCR1060 | antileukoprotease (ALP) | X04470 | 1 |

Figure 6A - Continued

| | | | |
|----------------|---|-------------|---|
| 4208 hfc0285 | basigin (BSG)(= M6 antigen) | NM_001728.1 | 1 |
| 4209 MIOA8648 | CARBOXYPEPTIDASE H PRECURSOR (CPH) (CARBOXYPEPTIDASE E) (CPE) (ENKEPHALIN CONVERTASE) (PROHORMONE PROCESSING CARBOXYPEPTIDASE) | spP16870 | 1 |
| 4210 hfc8510 | carboxypeptidase Z (CPZ) | NM_003652.1 | 1 |
| 4211 MIOB2836 | cathepsin S (CTSS) | M90696.1 | 1 |
| 4212 seob6256 | cathepsin Z precursor (CTSZ) gene, exons 4, 5, and 6 and complete cds; and TH1 gene partial sequence (=HSPC130) | AF136276.1 | 1 |
| 4213 FCR6553 | collagenase stimulatory factor (EMMPRIN) (=L20471 extracellular matrix metalloproteinase inducer) | L10240 | 1 |
| 4214 ncrb5145 | cysteine sulfinic acid decarboxylase-related protein 4 (CSAD) | AF116548.1 | 1 |
| 4215 hfc9884 | ENO2 gene for neuron specific (gamma) enolase (=enolase 2, (gamma, neuronal)) | X51956.1 | 1 |
| 4216 seob4612 | inhibitor 2 of protein phosphatase 1 | AJ133812.1 | 1 |
| 4217 hfc6921 | matrix metalloproteinase 19 (MMP19) | NM_002429.1 | 1 |
| 4218 FCR5141 | metallocarboxypeptidase CPX-1 | AF077738 | 1 |
| 4219 seob6625 | metalloproteinase, complete cds | D83646.1 | 1 |
| 4220 ncrb4782 | pancreatic carboxypeptidase B1precursor (RefSeq aa 5e- 49) | NP_001862.1 | 1 |
| 4221 miob1074 | parvulin | AB009690.1 | 1 |
| 4222 ncrb5744 | peflin (PEF) | NM_012392.1 | 1 |
| 4223 fcrb1929 | peptidase (mitochondrial processing) beta (PMPCB) | XM_055749.1 | 1 |
| 4224 SEOA4452a | peptidase D (PEPD) =J04605, prolidase(imidodipeptidase) | NM_000285.1 | 1 |
| 4225 hfc8361 | placental leucine aminopeptidase | D50810.1 | 1 |
| 4226 ncrb0254 | procollagen C-proteinase enhancer protein type , complete cds | AB008549.1 | 1 |
| 4227 ncrb6394 | procollagen type I proalpha 1 | K01228.1 | 1 |
| 4228 fcrb1128 | procollagen type I pro-alpha 2 chain (COL1A2) mRNA, complete cds | AF035120 | 1 |
| 4229 MIOA7973a | proctasin | U33446 | 1 |
| 4230 ncr7382 | protease inhibitor 1 (anti-elastase),alpha-1-antitrypsin (RefSeq aa 3e-43) | NP_000286.1 | 1 |
| 4231 ncr8866 | protease inhibitor 9 (ovalbumin type)(RefSeq aa 6e-31) | NP_004146.1 | 1 |
| 4232 FCR0751 | protease subunit S5a (=U72664 S5a/antiseCRetory factor protein) 26S | U51007 | 1 |
| 4233 hfc8495 | protease, serine, 15 (PRSS15) (=Lon protease) | NM_004793.1 | 1 |
| 4234 hfc6840 | proteasome (prosome, macropain) 26S subunit, ATPase, 4 (PSMC4) (=MIP224) | NM_006503.1 | 1 |
| 4235 ncr4737 | proteasome (prosome, macropain) 26S subunit, non- ATPase, 10 (PSMD10) | NM_002814.1 | 1 |
| 4236 hfc1324 | proteasome (prosome, macropain) 26S subunit, non- ATPase, 7 (Mov34 homolog)(PSMD7) (ORF) | NM_002811.1 | 1 |
| 4237 ncr9978 | proteasome (prosome, macropain)activator subunit 2 (PA28 beta) (RefSeq aa 6e-83) | NP_002809.1 | 1 |
| 4238 ncr0803 | proteasome (prosome, macropain)subunit, alpha type, 1 (RefSeq aa 3e-36) | NP_002777.1 | 1 |
| 4239 ncr2685 | proteasome (prosome, macropain)subunit, alpha type, 5 (RefSeq aa 6e-35) | NP_002781.1 | 1 |
| 4240 ncr6367 | proteasome (prosome, macropain)subunit, beta type, 5 (RefSeq aa 2e-41) | NP_002788.1 | 1 |
| 4241 MIOA5695 | proteasome (prosome,macRopain) 26S subunit, non- ATPase, 1 (PSMD1) =D44466 ,proteasome subunit p112, | NM_002807.1 | 1 |

Figure 6A - Continued

| | | | |
|----------------|--|-------------|---|
| 4242 ncr8314 | proteasome (prosome,macropain) 26S subunit, non-ATPase, 9 (PSMD9), mRNA | NM_002813.1 | 1 |
| 4243 SEOB0678a | PROTEASOME COMPONENT C3 (MACROPAIN SUBUNIT C3)(MULTICATALYTIC ENDOPEPTIDASE COMPLEX SUBUNIT C3) | spP25787 | 1 |
| 4244 SEOA8854 | PROTEASOME COMPONENT C5 (MACROPAIN SUBUNIT C5) (PROTEASOME GAMMA CHAIN) (MULTICATALYTIC ENDOPEPTIDASE COMPLEX SUBUNIT C5) | spP20618 | 1 |
| 4245 BFCN0096 | proteasome inhibitor hPI31 subunit | D88378 | 1 |
| 4246 MIOA2094 | proteasome subunit HsC7-I | D26599 | 1 |
| 4247 FCR4012 | proteasome subunit p3126S | D38047 | 1 |
| 4248 FCR7386 | proteasome subunit p44.5 26S | AB003102 | 1 |
| 4249 FCR7171 | proteasome subunit p58 | D67025 | 1 |
| 4250 hfcr6847 | proteasome subunit p97 26S | D78151.1 | 1 |
| 4251 fcrb1066 | protein arginine N-methyltransferase 1 (HRMT1L2) gene, complete cds, alternatively spliced, low match | AF222689 | 1 |
| 4252 MIOA7465a | protein arginine N-methyltransferase 2 (PRMT2) | U80213 | 1 |
| 4253 SEOB0002 | PROTEIN PLT | spQ02083 | 1 |
| 4254 SEOA0721a | protein product (=AF125387) D.melanogaster L82D) | AK000987 | 1 |
| 4255 ncr1122 | protein rapamycin associated protein (FRAP2) gene | U88966.1 | 1 |
| 4256 ncr3396 | protein translocation complex beta (SEC61B) | NM_006808.1 | 1 |
| 4257 FCR3575 | proteinase chain 5a (non-exact 71%) 26S | NM_002810.1 | 1 |
| 4258 miob3655 | serine protease, umbilical endothelium (SPUVE) | NM_007173.1 | 1 |
| 4259 SEOA6565a | sorting nexin 10 (SNX10) | AF121860.1 | 1 |
| 4260 hfcr6727 | sorting nexin 11 (SNX11) | NM_013323.1 | 1 |
| 4261 SEOA6621a | stromelysin-3 | X57766 | 1 |
| 4262 FCR3731 | thimet oligopeptidase (metalloproteinase) (=U29366) | Z50115 | 1 |
| 4263 MIOB2656 | thrombin inhibitor | Z22658.1 | 1 |
| 4264 MIOA8666 | TIMP-3 (=mig-5) (=K222) | D45917 | 1 |
| 4265 seob5003 | tissue inhibitor of metalloproteinase 2 (TIMP2) | NM_003255.1 | 1 |
| 4266 seob4896 | tissue inhibitor of metalloproteinase 4 (TIMP4) gene | AF057532.1 | 1 |
| 4267 seob4804 | tripeptidyl peptidase II (TPP2) | NM_003291.1 | 1 |
| 4268 ncr9460 | trypsin-like serine protease (TLSP) gene | AF164623.1 | 1 |
| 4269 hfcr9894 | Ubc6p homolog | U93242.1 | 1 |
| 4270 MIOA0626a | 33 polypeptide | X07266 | 1 |
| 4271 seob5538 | BRCA1, Rho7 and vat1 genes | L78833.1 | 1 |
| 4272 ncr3139 | BRCA1-associated RING domain protein (BARD1) | AF038042.1 | 1 |
| 4273 HFCR3165 | chaperonin subunit 5 (epsilon) (Cct5) (=D43950.1 Human gi6671701 KIAA0098) | | 1 |
| 4274 seob4322 | deubiquitinating enzyme (UNPH4)= AF153604 ubiquitin-specific protease homolog (UPH) | AF106069 | 1 |
| 4275 miob4756 | E1-E2 ATPase | AF155913.1 | 1 |
| 4276 ncr5442 | farnesyl transferase, CAAX box, beta (FNTB) | NM_002028.1 | 1 |
| 4277 ncrb1549 | F-box only protein 3 (FBXO3) | NM_012175.1 | 1 |
| 4278 seoa7709a | F-box only protein 9 (FBXO9), transcript variant 2, mRNA /cds=(367,1680) /gb=Nm_033480 /gi=15812200 /ug=Hs.11050 /len=3454 | Hs.11050 | 1 |
| 4279 SEOA5465a | F-box protein Fbl3a (ORF) | AF129532_1 | 1 |
| 4280 SEOA6129a | F-box protein FBX11 | AF176706 | 1 |
| 4281 miob2960 | F-box protein Fbx25 | AAF04526.1 | 1 |
| 4282 ncrb2771 | F-box protein FBX29 (FBX29) | AF176707.1 | 1 |
| 4283 ncr1029 | F-box protein Lilina (LILINA) | AF179221.1 | 1 |
| 4284 FCR3698 | hkf-1 | D76444 | 1 |
| 4285 hfcr2784 | huntingtin interacting protein HYPB | AF049610.1 | 1 |
| 4286 ncr3376 | huntingtin-interacting | AF049528 | 1 |
| 4287 ncr1507 | LUCA-15 protein splice variant | AF107493 | 1 |
| 4288 FCR2102 | miCRosomal signal peptidase complex (SPC 18) | J05466 | 1 |
| 4289 hfcr1259 | MRS1 protein (MRS1) | NM_015368.1 | 1 |

Figure 6A - Continued

| | | | |
|----------------|--|-------------|---|
| 4290 ncrb3284 | myristoyl-CoA:protein N-myristoyltransferase | Y17208.1 | 1 |
| 4291 fcrb2167 | Nedd-4-like ubiquitin-protein ligase (LOC116013) | XM_057201.1 | 1 |
| 4292 fCR0791 | neuronal calcium sensor (NCS-1) | L27421 | 1 |
| 4293 SEOB3503 | N-myristoyltransferase 2 (NMT2) | NM_004808.1 | 1 |
| 4294 hfcr0263 | paired basic amino acid cleaving enzyme (furin, membrane associated receptor protein) (PACE) | NM_002569.1 | 1 |
| 4295 fcrb2652 | peptidylprolyl isomerase (cyclophilin)-like 3 (PPIL3)(= similar to 4-1BB-mediated signaling molecule,) | NM_032472.1 | 1 |
| 4296 cr0026 | peptidylprolyl isomerase D (cyclophilin D) (PPID), mRNA /cds=(99,1211) /gb=NM_005038 /gi=4826931 /ug=Hs.143482 /len=1812 | Hs.143482 | 1 |
| 4297 FCR3005 | peroxisomal acyl-coenzyme A oxidase | S69189 | 1 |
| 4298 BFCW0326 | PEROXISOMAL ANTIOXIDANT ENZYME (LIVER TISSUE 2D-PAGE SPOT 71B) | spP30044 | 1 |
| 4299 SEOA2972a | peroxisomal Ca-dependent solute carrier | AF004161 | 1 |
| 4300 FCR0637 | prolyl oligopeptidase | X74496 | 1 |
| 4301 miob6087 | protein disulfide isomerase-related (PDIR) | NM_006810.1 | 1 |
| 4302 FCR1182 | protein gene product (PGP) 9.5 (=P09936 UBIQUITIN CARBOXYL-TERMINAL HYDROLASE ISOZYME L1 (UCH-L1)) | X04741 | 1 |
| 4303 hfcr8957 | rapamycin- and FK506-binding protein | M75099.1 | 1 |
| 4304 MIOA8051a | ribophorin I | Y00281 | 1 |
| 4305 ncr0508 | signal recognition particle 19kD (SRP19), mRNA | NM_003135.1 | 1 |
| 4306 MIOA8622 | site-1 protease(subtilisin-like, sterol-regulated, cleaves sterol regulatory element binding proteins) (S1P) (=KIAA0091) | NM_003791.1 | 1 |
| 4307 MIOA2993a | SRcyp protein (=U40763 Clk-associated RS cyclophilin CARS-Cyp) | X99717 | 1 |
| 4308 hfcr5514 | synthetic ubiquitin (UBCEP80) gene | M24507.1 | 1 |
| 4309 SEOA2467 | TL132 | AJ012755 | 1 |
| 4310 MIOA8704 | translocon-associated protein alpha subunit (=DCN) | AF156965.1 | 1 |
| 4311 FCR4214 | ubiquinone oxidoreductase complex CI-PDSW | X63224 | 1 |
| 4312 ncr0095 | ubiquitin associated protein (UBAP), | NM_016525.2 | 1 |
| 4313 SEOA0488 | UBIQUITIN CARBOXYL-TERMINAL HYDROLASE 64E (UBIQUITIN THIOLESTERASE 64E) | spQ24574 | 1 |
| 4314 hfcr9727 | ubiquitin carrier protein E2-C (UBCH10)(= cyclin-selective ubiquitin carrier protein) | NM_007019.1 | 1 |
| 4315 FCR2859 | ubiquitin conjugating enzyme (UbcH8) | AF031141 | 1 |
| 4316 hfcr4112 | ubiquitin conjugating enzyme type UBC9 | X96427.1 | 1 |
| 4317 SEOB3313 | Ubiquitin conjugating enzyme UEV1Bs (UBE2V) | U97280.1 | 1 |
| 4318 ncr06984 | ubiquitin fusion degradation 1-like(RefSeq aa 6e-57) | NP_005650.1 | 1 |
| 4319 fCR1002 | ubiquitin ligase (Nedd4) protein | U50842 | 1 |
| 4320 ncr9105 | ubiquitin specific protease 13 (isopeptidase T-3) (RefSeq aa 2e-63) | NP_003931.1 | 1 |
| 4321 seoa8109 | ubiquitin specific protease 3 (USP3), mRNA /cds=(93,1658) /gb=NM_006537 /gi=5730109 /ug=Hs.251636 /len=2309 | Hs.251636 | 1 |
| 4322 ncr8337 | ubiquitin specific protease 7 (herpes virus-associated) (USP7), mRNA | NM_003470.1 | 1 |
| 4323 seob4835 | ubiquitin specific protease 8 (USP8)(=KIAA0055) | NM_005154.1 | 1 |
| 4324 ncrb4990 | ubiquitin specific protease 9 (USP9Y) | XM_000563.1 | 1 |
| 4325 ncr9587 | ubiquitin-activating enzyme E1 (A1S9T and BN75 temperature sensitivity complementing)(UBE1) | NM_003334.1 | 1 |
| 4326 hfcr1744 | ubiquitinating enzyme E2-230 kDa | U20780.1 | 1 |
| 4327 MIOA8274 | UBIQUITIN-CONJUGATING ENZYME E2-17 KD (UBIQUITIN-PROTEIN LIGASE) (UBIQUITIN CARRIER PROTEIN) (HR6B) | spP23567 | 1 |

Figure 6A - Continued

| | | | |
|----------------|---|-------------|---|
| 4328 MIOA1971a | ubiquitin-conjugating enzyme E2A (RAD6 homolog) (UBE2A) (=M74524 HHR6A (yeast RAD 6 homologue)) | gi4507768 | 1 |
| 4329 fcrb2596 | ubiquitin-conjugating enzyme E2I (homologous to yeast UBC9) | XM_007786.5 | 1 |
| 4330 SEOA4606a | ubiquitin-conjugating enzyme E2L 1 (UBE2L1) = (UBE2L3) =UbcH7(ORF) | NM_003346.1 | 1 |
| 4331 ncrb4547 | ubiquitin-conjugating enzyme HBUCE1 (LOC51619) | NM_015983.1 | 1 |
| 4332 FCR4405 | ubiquitin-conjugating enzyme UbcM2 | AF003346 | 1 |
| 4333 SEOA0065 | ubiquitin-conjugating enzyme UbcM3 | X92665 | 1 |
| 4334 fCR0285 | ubiquitin-like protein | D23662 | 1 |
| 4335 ncr6096 | ubiquitin-protein ligase E3-alpha (UBR1) gene, exon 9 | AF067385.1 | 1 |
| 4336 fcrb1921 | ubiquitin-protein ligase NEDD4-like (NEDD4L) | NM_015277.1 | 1 |
| 4337 ncr7151 | vacuolar protein sorting 35 | NM_018206.1 | 1 |
| 4338 seob5080 | vacuolar protein sorting 45B (yeast homolog) (VPS45B) | NM_007259.1 | 1 |
| 4339 BFCW0426 | vacuolar protein sorting homologue h-vps45 | U35246 | 1 |
| 4340 ncrb8538 | vacuolar protein sorting protein 16 | AAG34678.1 | 1 |
| 4341 FCR0018n | VACUOLAR PROTEIN SORTING-ASSOCIATED PROTEIN VPS28 | spQ02767 | 1 |
| 4342 seob4805 | vacuolar proton pump delta polypeptide (VATD) | NM_015994.1 | 1 |
| 4343 mioa9510 | zinc metalloproteinase,STE24 (yeast, homolog) (ZMPSTE24) | NM_005857.1 | 1 |
| 4344 seob8090 | zinc transporter 1 (ZNT1) | AF048701.1 | 1 |
| 4345 MIOA7555a | AZ2 | AB007141 | 1 |
| 4346 MIOA8261 | bromodomain protein CELTIX1 | AAF19526.1 | 1 |
| 4347 ncr2370 | corticotropin releasing hormone-binding protein (CRHBP) | NM_001882.2 | 1 |
| 4348 SEOA3007a | ID4 protein | Y07958 | 1 |
| 4349 fcrb1989 | inhibitor of DNA binding 2, dominant negative helix-loop-helix protein (ID2) | XM_045365.1 | 1 |
| 4350 ncr8843 | inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase complex-associated protein; IKAP (RefSeq aa 3e-69) | NP_003631.1 | 1 |
| 4351 MIOA5511a | methyl-CpG-binding protein 2 | AJ132917.1 | 1 |
| 4352 FCR0259 | modifier 3 (M33) (=Y13274 M33 polycomb-like protein) | Y13274 | 1 |
| 4353 ncrb6960 | neural retinal-specific | U95012.1 | 1 |
| 4354 hfcr1339 | neural specific protein CRMP-2 gene | U83278.1 | 1 |
| 4355 ncrb1892 | TANK-binding kinase 1 (TBK1) | NM_013254.1 | 1 |
| 4356 mioa9891 | TBP-associated factor 170 (TAFII170)(low match) | AJ001017.2 | 1 |
| 4357 hfcr7864 | 4-aminobutyrate aminotransferase (ABAT), nuclear gene encoding mitochondrial protein, (= GABAT) | NM_000663.1 | 1 |
| 4358 ncrb0367 | activating transcription factor 6 (RefSeq aa 2e-70) | NP_031374.1 | 1 |
| 4359 ncrb6833 | adenovirus 5 E1A binding protein (BS69) | NM_006624.1 | 1 |
| 4360 SEOA4404a | AF-6 | AB011399 | 1 |
| 4361 ncrb6357 | AT-binding transcription factor 1 (ATBF1)(= zinc finger homeodomain protein (ATBF1-A)(= for alpha-fetoprotein enhancer binding protein) | NM_006885.1 | 1 |
| 4362 SEOB0304 | BACH1 | AB002803.1 | 1 |
| 4363 SEOA6377 | basic transCRiption factor 62kD subunit (BTF2) | M95809 | 1 |
| 4364 MIOA0307 | basic-leucine zipper nuclear factor (JEM-1) | U79751 | 1 |
| 4365 miob3035 | BCE-1 protein (BCE-1) | NM_007005.1 | 1 |
| 4366 ncr3380 | B-cell CLL/lymphoma 3 (BCL3) | NM_005178.1 | 1 |
| 4367 ncr5651 | Bcl-2-associated transcription factor short form mRNA | AF249273.1 | 1 |
| 4368 miob5031 | beta-hydroxysteroid dehydrogenase type VII 17 (HSD17B7) | AF098786.2 | 1 |
| 4369 SEOA1069a | B-IND1 protein (B-ind1) | Z97207.2 | 1 |

Figure 6A - Continued

| | | | |
|----------------|---|-------------|---|
| 4370 FCR2686 | B-myb | X13293 | 1 |
| 4371 seoa8083 | BTF3 protein homologue gene, complete cds /cds=(0,644) /gb=M90356 /gi=179575 /ug=Hs.181967 /len=645 | Hs.181967 | 1 |
| 4372 SEOA7094a | C3HC4-like zinc finger protein | AF214680 | 1 |
| 4373 FCR5723 | CAGH1a (CAGH1) | U80738 | 1 |
| 4374 hfcr2301 | cAMP responsive element modulator (CREM) | AF213898.1 | 1 |
| 4375 FCR2999 | CCAAT transCRiption binding factor subunit gamma (=U78774 NFY-C) | Z74792 | 1 |
| 4376 FCR3101 | CCT (chaperonin containing TCP-1) epsilon subunit (=D43950 human hypothetical protein (KIAA0098)) | Z31555 | 1 |
| 4377 MIOA6840a | cell growth regulatory with ring finger domain (CGR19=U66469 (ORF)) | NM_006568.1 | 1 |
| 4378 MIOA5368a | Che-1 (ORF) | AF083208 | 1 |
| 4379 ncr3412 | c-helix-loop-helix-PAS orphan MOP3 | AF044288.1 | 1 |
| 4380 ncrb8319 | chick ovalbumin upstream promoter transcription factor II (COUP-TFII) | M62760.1 | 1 |
| 4381 SEOB2169 | cis-acting sequence | M82882.1 | 1 |
| 4382 SEOB2658 | CREB binding protein (Rubinstein-Taybi syndrome) (CREBBP) | gi4758055 | 1 |
| 4383 MIOA7323 | CREB327=cyclic AMP-responsive enhancer binding protein | S72459 | 1 |
| 4384 hfcr5798 | CRE-BP1 transcription factor = cyclic AMP response | U16028.1 | 1 |
| 4385 ncr6129 | DNA (cytosine-5-)methyltransferase 1(RefSeq aa 3e-58) | NP_001370.1 | 1 |
| 4386 FCR1378 | DNA for 3' untranslated region of the Id4 dominant negative helix-loop-helix gene | AJ001971 | 1 |
| 4387 SEOA5258a | DNA-binding factor (ORF) | M29204 | 1 |
| 4388 hfcr3454 | DNA-binding protein (mbp-1) | M32019.1 | 1 |
| 4389 SEOA8870 | DNA-BINDING PROTEIN RFXANK | spO14593 | 1 |
| 4390 fCR0483 | Dr1-associated corepressor (DRAP1) | U41843 | 1 |
| 4391 BFCS0503 | erm | X96375 | 1 |
| 4392 seob7419 | erythroid differentiation-related factor 1 | AF040247.1 | 1 |
| 4393 FCR3686 | ETO=MTG8 (=X79990;D14289;D43638;D13979;D14821) | S78158 | 1 |
| 4394 FCR4782 | ETS (qh43e05.x1 Soares_NFL_T_GBC_S1 clone IMAGE:1847456 3') | AI239823 | 1 |
| 4395 hfcr9140 | ets-like protein (clone 3A) | Z49982.1 | 1 |
| 4396 hfcr5150 | ETX1, ETX1=X-linked retinitis pigmentosa (RP3) | S82496.1 | 1 |
| 4397 fcrb2710 | frezzed (fre) mRNA, complete cds | U68057.1 | 1 |
| 4398 ncr5292 | Friend of GATA2 (FOG2) | NM_012082.2 | 1 |
| 4399 seoa0985m | frizzled-1 | AB017363 | 1 |
| 4400 FCR6733 | frizzled-7 | AB017365 | 1 |
| 4401 MIOA4564a | g1-related zinc finger protein | AF171875 | 1 |
| 4402 hfcr1177 | GCN5 (general control of amino-acid synthesis, yeast, homolog)-like 1 (GCN5L1) | NM_001487.1 | 1 |
| 4403 ncr6848 | general transcription factor IIIC, polypeptide 2 (beta subunit, 110kD) (RefSeq aa 1e-82) | NP_001512.1 | 1 |
| 4404 hfcr1834 | GT212 | L38935.1 | 1 |
| 4405 hfcr7448 | hairy/enhancer-of-split related with YRPW motif 1 (HEY1) (=CHF2) | NM_012258.1 | 1 |
| 4406 miob6999 | hbrm | X72889.1 | 1 |
| 4407 miob4851 | helix-loop-helix protein (Id-2) | M97796.1 | 1 |
| 4408 seob5302 | helix-loop-helix transcription factor sequence | M97636.1 | 1 |
| 4409 hfcr2687 | hepatocellular carcinoma associated ring finger protein | AF247565.1 | 1 |
| 4410 FCR3932 | HIV associated non-Hodgkin's lymphoma (clone hl1-2) | Y16715 | 1 |
| 4411 ncr6141 | HIV-1 rev binding protein 2 (RefSeq aa 5e-83) | NP_008974.1 | 1 |

Figure 6A - Continued

| | | | |
|----------------|---|-------------|---|
| 4412 ncr4444 | HIV-1 Vpr-binding protein (VprBP) | AF061935.1 | 1 |
| 4413 SEOA5297a | HIV-associated non-Hodgkin's lymphoma (clone hl2-1) | Y17170 | 1 |
| 4414 seob7015 | HIV-EP2/Schnurri-2 | M60119.1 | 1 |
| 4415 MIOA1058 | HMG box containing protein 1 | AF019214 | 1 |
| 4416 hfcr7357 | homeo box B5 (HOXB5) | NM_002147.1 | 1 |
| 4417 hfcr8878 | homeo box C10 (HOXC10), (=homeoprotein C10) (HOXC10)) | NM_017409.1 | 1 |
| 4418 hfcr3032 | homeobox protein mRNA, 3' end, clone HOX2.3 | M30598.1 | 1 |
| 4419 ncr5055 | homeodomain interacting protein kinase 2 (Hipk2) | NM_010433.1 | 1 |
| 4420 ncr2576 | homeostasis endoplasmic reticulum protein (ERPROT213-21) | NM_006387.2 | 1 |
| 4421 seoa0980m | HOX2H | X16665 | 1 |
| 4422 ncrb8614 | HRS gene, partial cds (=SRp40-1) | AF020307.1 | 1 |
| 4423 ncr6336 | Hypothetical zinc finger-like protein | AAF88107.1 | 1 |
| 4424 ncr7661 | hypoxia inducible factor (aHIF) antisense R+D2321NA sequence | U85044.1 | 1 |
| 4425 miob0797 | hypoxia inducible gene-14 | AB017708.1 | 1 |
| 4426 MIOA6262a | HZF2 zinc finger protein | X78925 | 1 |
| 4427 hfcr8826 | HZF4 mRNA for zinc finger protein | X78927.1 | 1 |
| 4428 seob7669 | HZF9 zinc finger protein | X78932.1 | 1 |
| 4429 FCR3620 | Id1 (=U57645;S78825) | X77956 | 1 |
| 4430 hfcr9901 | interferon regulatory factor 3 (IRF3) | NM_001571.1 | 1 |
| 4431 MIOB0567 | Jun activation domain binding protein | U65928.1 | 1 |
| 4432 fcrb2098 | jun dimerization protein gene | AF111167.2 | 1 |
| 4433 ncr4440 | KIAA0744 gene product; histone deacetylase 7 (KIAA0744) | NM_014707.1 | 1 |
| 4434 ncrb6501 | KIAA1605 (=transcription factor LZIP-alpha gene) | AB046825.1 | 1 |
| 4435 ncr5260 | KIAA1611 protein (=ZINC FINGER PROTEIN 195) | BAB13437.1 | 1 |
| 4436 FCR0476 | KNSL4 and MAZ(kinesin-like DNA binding protein and Myc-associated zinc finger protein) | AB017335 | 1 |
| 4437 fcrb0624 | KRAB zinc finger protein (RITA) | AF272148.1 | 1 |
| 4438 miob6993 | krueppel-like zinc finger protein HZF2 | AF220492.1 | 1 |
| 4439 seob4333 | leucine zipper transcription factor-like 1 (LZTFL1 gene) | AJ297351.1 | 1 |
| 4440 SEOB3239 | LIM-domain binding factor CLIM1 (CLIM1) | AF068651.1 | 1 |
| 4441 FCR6634 | MAR/SAR DNA binding protein (SATB1) | M97287 | 1 |
| 4442 FCR0646 | Meis1-related protein 1b (Mrg1b) | U68384 | 1 |
| 4443 FCR2148 | Meis1-related protein 2 (MRG2) | U68385 | 1 |
| 4444 MIOA2788a | MFH-1 (=X74040) | Y08223 | 1 |
| 4445 FCR4082 | MIDA1 (=U53208 ZRF1) | D63784 | 1 |
| 4446 FCR6184 | midline 1 fetal kidney isoform 2 (MID1) | AF041209 | 1 |
| 4447 ncr4136 | midline 1 fetal kidney isoform 3 (MID1) | AF041210.1 | 1 |
| 4448 ncrb3541 | monocytic leukaemia zinc finger protein (MOZ) | U47742.1 | 1 |
| 4449 miob6562 | monokine induced by gamma interferon (MIG) | NM_002416.1 | 1 |
| 4450 SEOA6284 | MYCL2 (low match) | J03069 | 1 |
| 4451 MIOA2374a | novH | X78354 | 1 |
| 4452 fcrb1920 | NPAT gene | D89854.1 | 1 |
| 4453 ncr0664 | nuclear cap binding protein 1, 80kD (NCBP1) | NM_002486.1 | 1 |
| 4454 hfcr7676 | nuclear factor I (NFI) | U18761.1 | 1 |
| 4455 SEOB2936 | nuclear factor NF45 | U10323.1 | 1 |
| 4456 MIOA4135 | nuclear factor of activated T-cells 5 (NFAT5)(ORF)=transcription factor NFAT5 isoform b (NFAT5) =AB020634 KIAA0827 protein, | NM_006599.1 | 1 |
| 4457 SEOA1672a | nuclear inhibitor of protein phosphatase-1 (PPP1R8) | AF064757.1 | 1 |
| 4458 ncr5947 | nuclear protein, ataxia-telangiectasia locus (RefSeq aa 3e-31) | NP_002510.1 | 1 |
| 4459 SEOA6038a | OZF | X70394 | 1 |

Figure 6A - Continued

| | | | |
|----------------|--|-------------|---|
| 4460 hfc8609 | paired-like homeodomain transcription factor 2 (PITX2) | NM_000325.1 | 1 |
| 4461 BFCN0204 | PEBP2a1 protein | D14636 | 1 |
| 4462 SOA0537 | pleomorphic adenoma gene-like 1 (PLAGL1) | U81992 | 1 |
| 4463 FCR2341 | PP15 (placental protein 15) | X07315 | 1 |
| 4464 ncr6335 | Pur (pur-alpha) | M96684.1 | 1 |
| 4465 ncr6422 | putative hepatic transcription factor (WBSCR14) gene | AF156673.1 | 1 |
| 4466 SEOA4870a | putative transCRiption factor CA150 (ORF) | AF017789 | 1 |
| 4467 ncr2959 | putative transcription factor-like nuclear regulator (=KIAA1241) | CAC04245.1 | 1 |
| 4468 SEOA5214a | putative translation initiation factor (SUI1)=L26247=sui1iso1 (ORF) | NM_005801.1 | 1 |
| 4469 ncr1563 | putative zinc finger protein (RefSeq aa 2e-30) | NP_057688.1 | 1 |
| 4470 ncr1948 | putative zinc finger protein NY-REN-34 antigen (LOC51131) | NM_016119.1 | 1 |
| 4471 hfc4477 | RELA (v-rel avian reticuloendotheliosis viral oncogene homolog A (nuclear factor of kappa light polypeptide gene enhancer in B-cells 3 (p65))) | CAB66119.2 | 1 |
| 4472 FCR3987 | retinoblastoma binding protein RBQ-1 | X85133 | 1 |
| 4473 FCR2174N | ring finger protein 1 (RING1) | Z14000 | 1 |
| 4474 fcrb1763 | ring finger protein 5 (RNF5) | XM_057888.1 | 1 |
| 4475 hfc5381 | Ring1 and YY1 binding protein (RYBP) | NM_012234.1 | 1 |
| 4476 miob4886 | RING12 | X62741.1 | 1 |
| 4477 MIOB2093 | RING4 | X57522.1 | 1 |
| 4478 fcrb2715 | runt-related transcription factor 3 (RUNX3), (=PEBP2aC1 acute myeloid leukaemia) | XM_001616.3 | 1 |
| 4479 FCR0280 | SAP18, Sin3-associated-polypeptide 18 | Z97062 | 1 |
| 4480 ncr8880 | short form transcription factor C-MAF (c-maf) | AF055376.1 | 1 |
| 4481 ncr9977 | SIX4 gene | AB024687.1 | 1 |
| 4482 MIOA3080a | SMAD5 (Smad5) | AF010607 | 1 |
| 4483 hfc8410 | small zinc finger-like protein (TIM13) | AF144700.1 | 1 |
| 4484 SEOA0996 | small zinc finger-like protein (TIM9a) | AF150100.1 | 1 |
| 4485 hfc7621 | SOX11 | AB028641.1 | 1 |
| 4486 ncr8968 | SOX6 (SOX6) gene | AF309471.1 | 1 |
| 4487 MIOA4548a | SRD-2 mutant sterol regulatory element binding protein-2 (SREBP-2) | U22818 | 1 |
| 4488 MIOA1293n | SRE-ZBP | Z11773 | 1 |
| 4489 hfc0277 | SRF accessory protein 1B (SAP-1) | M85164.1 | 1 |
| 4490 MIOB2166 | Staf50 | X82200.1 | 1 |
| 4491 miob5098 | strain C57BL/6 zinc finger protein 106 (Zfp106) | AF060246.1 | 1 |
| 4492 SEOB0755 | survival of motor neuron protein interacting protein 1 (SIP1) | AF027150.1 | 1 |
| 4493 SEOA3419a | SYBL1 (contains L1 repeat) | gi4165269 | 1 |
| 4494 SEOA9501 | TAR (HIV) RNA-binding protein 1 (TARBP1)(ORF) = U38847.1 | NM_005646.1 | 1 |
| 4495 miob0733 | TAR DNA binding protein(TARDBP) (=DKFZp564O1716) | NM_007375.1 | 1 |
| 4496 ncr3778 | TATA binding protein associated factor (TAFII150) (=FLJ10756 fls) | AF040701.1 | 1 |
| 4497 fcrb0664 | TATA box binding protein (TBP)-associated factor, RNA polymerase II, H, 30kD (TAF2H) | NM_006284.1 | 1 |
| 4498 ncr3701 | TATA box binding protein (TBP)-associated factor, RNA polymerase I, A, 48kD (TAF1A) | NM_005681.1 | 1 |
| 4499 ncr9215 | TATA box binding protein(TBP)-associated factor, RNA polymerase II, K, 18kD(RefSeq aa 7e-56) | NP_005636.1 | 1 |
| 4500 fcrb0956 | TATA box binding protein-related factor 2 mRNA, complete cds | AF136570 | 1 |
| 4501 FCR1004n | TATA-binding protein (=Z22828 TFIID) | M55654 | 1 |
| 4502 FCR0409 | Tat-SF1 | U76992 | 1 |

Figure 6A - Continued

| | | | |
|----------------|--|-------------|---|
| 4503 fcrb1733 | TGF(beta)-induced transcription factor 2 (LOC116040) | XM_057236.1 | 1 |
| 4504 hfcr1053 | thyroid hormone receptor coactivating protein (SMAP) | NM_006696.1 | 1 |
| 4505 hfcr8456 | thyroid receptor interactor (TRIP8) | L40411.1 | 1 |
| 4506 FCR6183 | thyroid receptor interactor (TRIP9) | L40407 | 1 |
| 4507 MIOA3674a | tissue-type pituitary Kruppel-associated box protein | AF070666 | 1 |
| 4508 ncrb7523 | TPMT thiopurine S-methyltransferase gene | AB045146.1 | 1 |
| 4509 SEOA5138a | transCRipt associated with monocyte to maCRophage differentiation | X85750 | 1 |
| 4510 ncrb3369 | transcription elongation factor B (SIII), polypeptide 1 (15kD, elongin C)(TCEB1)(= polymerase II elongation factor SIII, p15 subunit mRNA)), | NM_005648.1 | 1 |
| 4511 FCR5814 | transCRiption elongation factor TFIIIS.h | AJ223473 | 1 |
| 4512 MIOA1165 | transCRiption factor (TFIIB) | M76766 | 1 |
| 4513 ncrb7027 | transcription factor 12 (RefSeq aa 1e-54) | NP_003196.1 | 1 |
| 4514 ncr0138 | transcription factor 17(TCF17) (ORF) | NM_005649.1 | 1 |
| 4515 ncr2207 | transcription factor BMAL2 (RefSeq aa 8e-35) | NP_064568.1 | 1 |
| 4516 SEOA1646a | transCRiption factor CA150 (CA150) (=AF017789) | gi5729753 | 1 |
| 4517 ncr0766 | transcription factor Dp-2 (E2F dimerization partner 2) (TFDP2) | NM_006286.1 | 1 |
| 4518 BFCW0492 | transCRiption factor ETR103 | M62829 | 1 |
| 4519 miob1362 | transcription factor IGHM enhancer 3, JM11 protein, JM4 protein, JM5 protein, T54 protein, JM10 protein, A4 differentiation-dependent protein, triple LIM domain protein 6, and synaptophysin genes, complete cds; and L-type calcium channel a> | AF196779.1 | 1 |
| 4520 miob4574 | transcription factor IIC102 | AF133123.1 | 1 |
| 4521 SEOB0547 | transCRiption factor L-Sox5 | AJ010604.1 | 1 |
| 4522 FCR2106 | transCRiption factor RTEF-1 (RTEF1) | U63824 | 1 |
| 4523 BFCW0423 | transCRiption factor SL1 | L39060 | 1 |
| 4524 hfcr5421 | transcription factor SOX8 (SOX8) | AF164104.1 | 1 |
| 4525 MIOA6292a | transCRiption factor TFIIA small subunit p12 | U21242 | 1 |
| 4526 hfcr4028 | transcription factor(HSA130894) | NM_017569.1 | 1 |
| 4527 ncrb0608 | transcription factor-like 1(TCFL1)(= YL-1 mRNA for YL-1 protein(nuclear protein with DNA-binding ability)) | NM_005997.1 | 1 |
| 4528 ncrb0744 | transcription initiation factor IA protein (TIF-IA gene) | AJ272050.1 | 1 |
| 4529 SEOA3344a | transCRiption initiation factor TFIID subunit TAFII31 | U30504 | 1 |
| 4530 SEOA2141 | transCRiption regulator protein (BACH1) | AF026199 | 1 |
| 4531 FCR3525 | transCRiption regulator RPD3-2B (=AF039703 histone deacetylase 3;AF005482;U75696) | U75697 | 1 |
| 4532 ncrb2027 | transcription termination factor, RNA polymerase I (RefSeq aa 9e-58) | NP_031370.1 | 1 |
| 4533 BFCN0247 | transCRiptional activator hSNF2a (=X72889 hbrm) | D26155 | 1 |
| 4534 MIOA6172a | transCRiptional co-activator CRSP33 (CRSP33) | AF104251 | 1 |
| 4535 seob8200 | transcriptional enhancer factor (TEF1) | M63896.1 | 1 |
| 4536 SEOA1776a | transCRiptional intermediary factor 1 alpha | AF119042 | 1 |
| 4537 SEOB1026 | transCRiptional repressor (CTCF) | U25435.1 | 1 |
| 4538 ncrb5614 | transcription-associated zinc ribbon protein (ZNRD1) | AF024617.1 | 1 |
| 4539 FCR7042 | transducin beta-2 subunit (=M16538 signal-transducing guanine nucleotide-binding regulatory (G) protein beta subunit) | M36429 | 1 |
| 4540 mioa7775a | ubiquitin (UBN1) gene, exons 1b and 2 | AF108454.1 | 1 |
| 4541 ncrb3056 | WD repeat domain 6 (WDR6) | NM_018031.2 | 1 |
| 4542 MIOA1483m | X2 box repressor | U22680 | 1 |
| 4543 seob6522 | X28 region near ALD locus containing dual specificity phosphatase 9 (DUSP9), ribosomal protein L18a (RPL18a), Ca2 /Calmodulin-dependent protein kinase I (CAMKI), creatine transporter (CRTR), CDM protein (CDM), adrenoleukodystrophy protein > | U52111.2 | 1 |
| 4544 FCR4224 | XAP-4 GDI (=X79353) | X79353 | 1 |

Figure 6A - Continued

| | | | |
|----------------|--|-------------|---|
| 4545 hfcr2844 | YSK1 | D63780.1 | 1 |
| 4546 hfcr7831 | yz99g12.r1 Soares melanocyte 2NbHM cDNA clone IMAGE:291238 5' | W03533.1 | 1 |
| 4547 hfcr1848 | ZFX transcription activator | X59739.1 | 1 |
| 4548 seob2601 | ZHX1 protein (ZHX1) | AF195766.1 | 1 |
| 4549 SEOA0302 | zinc finger 2 (ZNF2 gene) | X60152.1 | 1 |
| 4550 miob4346 | zinc finger 5 protein | D89859.1 | 1 |
| 4551 SEOA0137 | zinc finger homeobox protein ZHX1 | AF106862.1 | 1 |
| 4552 miob4359 | zinc finger homeodomain protein | U12170.1 | 1 |
| 4553 FCR1369 | zinc finger protein (HZF6) (non-exact, 66%) | AF027513 | 1 |
| 4554 hfcr0130 | zinc finger protein (LOC51042) | NM_015871.1 | 1 |
| 4555 FCR5100 | zinc finger protein (low match) | X78933 | 1 |
| 4556 ncr4050 | zinc finger protein (ZAN75) | NM_018759.1 | 1 |
| 4557 ncrb8250 | zinc finger protein (ZNF139)mRNA | U09848.1 | 1 |
| 4558 SEOA3582a | zinc finger protein (ZNF141) | L15309 | 1 |
| 4559 SEOA1002 | zinc finger protein (ZNF155) | U09852 | 1 |
| 4560 FCR3163 | zinc finger protein (ZNF741) | U28282 | 1 |
| 4561 miob6713 | zinc finger protein (ZNF-U69274) | NM_014415.1 | 1 |
| 4562 ncr5207 | zinc finger protein 10 (KOX 1) (RefSeq aa 3e-47) | NP_003410.1 | 1 |
| 4563 miob6768 | zinc finger protein 124 (HZF-16) (ZNF124) | NM_003431.1 | 1 |
| 4564 SEOA6638a | ZINC FINGER PROTEIN 136 (61% aa) | spP52737 | 1 |
| 4565 ncr1031 | zinc finger protein 136 (clone pHZ-20)(RefSeq aa 3e-30) | NP_003428.1 | 1 |
| 4566 ncr8867 | zinc finger protein 146 (ZNF146) | NM_007145.1 | 1 |
| 4567 ncr4656 | zinc finger protein 161 (RefSeq aa 1e-74) | NP_009077.1 | 1 |
| 4568 ncr5659 | zinc finger protein 162 (ZNF162) | NM_004630.1 | 1 |
| 4569 SEOA5799 | ZINC FINGER PROTEIN 177 (69% aa) | spQ13360 | 1 |
| 4570 MIOB2841 | zinc finger protein 195 (ZNF195) | gi6005973 | 1 |
| 4571 miob4160 | zinc finger protein 198 (ZNF198) | NM_003453.1 | 1 |
| 4572 ncr6871 | zinc finger protein 202(ZNF202) | NM_003455.1 | 1 |
| 4573 miob6438 | zinc finger protein 223 (ZNF223) | NM_013361.1 | 1 |
| 4574 ncr8794 | zinc finger protein 232 (RefSeq aa 2e-68) | NP_055334.1 | 1 |
| 4575 ncr2874 | zinc finger protein 258 (ZNF258) | NM_007167.1 | 1 |
| 4576 seoa7032 | zinc finger protein 268 (ZNF268) mRNA, complete cds /cds=(330,3173)/gb=AF317549/gi=12584158 /ug=Hs.183291/len=3826 | Hs.183291 | 1 |
| 4577 SEOA9566 | zinc finger protein 281 (ZNF281) (ORF) | NM_012482.1 | 1 |
| 4578 mioa7876 | zinc finger protein 288 (ZNF288), mRNA /cds=(488,2494) /gb=NM_015642/gi=7661651/ug=Hs.159456/len=2829 | Hs.159456 | 1 |
| 4579 hfcr4167 | zinc finger protein 297 (ZNF297) | NM_005453.2 | 1 |
| 4580 miob4860 | zinc finger protein 41 (ZNF41) | M92443.1 | 1 |
| 4581 FCR0278 | ZINC FINGER PROTEIN 83 (ZINC FINGER PROTEIN HPF1) | spP51522 | 1 |
| 4582 ncr7345 | zinc finger protein dp | AF153201.1 | 1 |
| 4583 SEOA6106a | zinc finger protein EZNF (EZNF) | AF116030 | 1 |
| 4584 MIOA8590 | zinc finger protein FOG-2 | AF119334.1 | 1 |
| 4585 ncrb8608 | zinc finger protein homologous to Zfp-36 in mouse (ZFP36) | NM_003407.1 | 1 |
| 4586 hfcr7805 | zinc finger protein mRNA | Y14443.1 | 1 |
| 4587 hfcr5919 | zinc finger protein NY-REN-21 antigen | AF155100.1 | 1 |
| 4588 ncr4815 | zinc finger protein SBZF2 mRNA, complete cds | AF139460.1 | 1 |
| 4589 MIOA1375a | zinc finger protein ZNF131 | U09410 | 1 |
| 4590 SEOB1848 | zinc finger protein ZNF140 | U09368.1 | 1 |
| 4591 ncr3511 | zinc finger protein(ZF5128) | NM_014347.1 | 1 |
| 4592 MIOA4883a | zinc finger protein, C3H-type =AF061261 zinc finger protein (MBLL) mRNA, | NM_005757.1 | 1 |
| 4593 seob8297 | zinc finger protein, HZF2 | X78925.1 | 1 |
| 4594 ncr5472 | zinc finger protein219 | NM_016423.1 | 1 |

Figure 6A - Continued

| | | | |
|----------------|---|-------------|---|
| 4595 FCR5369 | zinc finger RNA binding protein (Zfr) | AF071059.1 | 1 |
| 4596 FCR1169 | zinc-finger protein (ZNF76) | M91592 | 1 |
| 4597 SEOA3515a | zinc-finger protein PFM1, PR-domain | AF144757.1 | 1 |
| 4598 ncrb7844 | Zn-15 related zinc finger protein (rlf) mRNA, complete cds | U22377.1 | 1 |
| 4599 seob7595 | ZNF135-like protein | AF265236.1 | 1 |
| 4600 MIOA2158a | ZNF258 (ZNF258) | AF055470 | 1 |
| 4601 fcr0935 | ZNF81 (non-exact) | X68011 | 1 |
| 4602 fcrb2541 | bromodomain-containing 7 (BRD7), mRNA | NM_013263.1 | 1 |
| 4603 FCR3282 | 218 kD Mi-2 protein (= proliferating cell nucleolar protein P120) | X86691 | 1 |
| 4604 MIOA8665 | cell-line THP-1 GTP cyclohydrolase I | U66095.1 | 1 |
| 4605 mioa9719 | cleavage stimulation factor, 3' pre-RNA, subunit 3, 77kD (CSTF3) | NM_001326.1 | 1 |
| 4606 FCR2860 | CPSF (cleavage and polyadenylation specificity factor) 73 kDa subunit | X95906 | 1 |
| 4607 FCR1305 | CTD-binding SR-like protein rA8 | U49055 | 1 |
| 4608 ncr2930 | C-terminal binding protein 2 (CTBP2) | NM_001329.1 | 1 |
| 4609 hfcr2547 | dCMP deaminase (DCTD) | NM_001921.1 | 1 |
| 4610 fcrb0993 | DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 19 (Dbp5, yeast, homolog) (DDX19), mRNA | NM_007242.1 | 1 |
| 4611 mioa9962 | DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 6 (RNA helicase, 54kD) (DDX6) (ORF) | NM_004397.1 | 1 |
| 4612 hfcr0957 | DEAD-box protein abstrakt(ABS), (ORF) | NM_016222.1 | 1 |
| 4613 ncrb6836 | double stranded RNA activated protein kinase (PKR) gene, intron 1 | AF167458.1 | 1 |
| 4614 ncrb6031 | double-stranded RNA binding nuclear protein DRBP76 delta (ILF3 gene) | AJ271746.1 | 1 |
| 4615 ncrb6720 | endoplasmic reticulum luminal protein (ERP28) | NM_006817.1 | 1 |
| 4616 hfcr0236 | EWS gene | AB016207.1 | 1 |
| 4617 ncr1699 | glutamyl-prolyl tRNA synthetase; proline tRNA ligase; glutamate tRNA ligase (RefSeq aa 1e-87) | NP_004437.1 | 1 |
| 4618 fcrb1312 | heterogeneous nuclear ribonucleoprotein A0 (HNRPA0) | NM_006805.1 | 1 |
| 4619 SEOA1071a | heterogeneous nuclear ribonucleoprotein L (HNRPL) | X16135 | 1 |
| 4620 FCR7405 | hnRNA-binding protein M4 (M4 protein) | S35532 | 1 |
| 4621 seob7082 | hnRNP-E1 | X78137.1 | 1 |
| 4622 SEOA1551 | LRR FLI-I interacting protein 2 (LRRFIP2) | AF115509.1 | 1 |
| 4623 miob0644 | nuclear matrix protein p84 | NM_005131.1 | 1 |
| 4624 hfcr0675 | nuclear protein (mdm-1) | M20823.1 | 1 |
| 4625 ncr2994 | nuclear protein double minute 1 | AF267851.1 | 1 |
| 4626 SEOA0898 | nuclear protein, NP220 | D83032 | 1 |
| 4627 ncrb4677 | ORF2 consensus sequence encoding endonuclease and reverse transcriptase minus RNaseH | AAB41224.1 | 1 |
| 4628 ncr1282 | partial mRNA for double stranded RNA binding nuclear protein ILF3 | AJ271747.1 | 1 |
| 4629 ncrb8464 | poly(A)-binding protein, cytoplasmic 4 (inducible form) (PABPC4) | NM_003819.2 | 1 |
| 4630 FCR0474 | pur alpha extended | X91648 | 1 |
| 4631 FCR4414 | ribonucleoprotein SS-B/La (=J04205) | X13697 | 1 |
| 4632 ncr0179 | RNA 3'-terminal phosphate cyclase (RPC) mRNA | NM_003729.1 | 1 |
| 4633 HFcr3160 | RNA binding motif protein 4 (RBM4) | gi4506444 | 1 |
| 4634 MIOA8866 | RNA binding motif protein 9 (isoform 1) (=AL009266 hypothetical protein) | CAB63054.1 | 1 |
| 4635 ncr3827 | RNA binding motif protein, X chromosome (RBMX) | NM_002139.1 | 1 |
| 4636 MIOB1523 | RNA cyclase homolog | AF067172.1 | 1 |
| 4637 hfcr9239 | RNA helicase (LOC51139)(= KIAA0801) | NM_016130.1 | 1 |
| 4638 SEOB0763 | RNA helicase (RIG-I) | AF038963.1 | 1 |
| 4639 MIOA7212a | RNA helicase HDB/DICE1 | AF141326.1 | 1 |

Figure 6A - Continued

| | | | | |
|------|-----------|--|-------------|---|
| 4640 | SEOA2936a | RNA helicase-related protein | AF083255 | 1 |
| 4641 | fcrb1789 | RNA helicase-related protein (RNAHP) | XM_044384.1 | 1 |
| 4642 | fcrb0213 | RNA-binding protein (autoantigenic) (RALY) | NM_016732.1 | 1 |
| 4643 | hfcr2524 | RRM RNA binding protein Gry-rbp (GRY-RBP) | AF037448.1 | 1 |
| 4644 | ncrb7945 | SIR2 (silent mating type information regulation 2, <i>S.cerevisiae</i> , homolog)-like(SIR2L) | NM_012237.1 | 1 |
| 4645 | ncr9599 | sir2-like 1 (SIRT1) | NM_012238.2 | 1 |
| 4646 | hfcr2984 | small nuclear ribonucleoprotein D3 polypeptide (18kD) (SNRPD3) | NM_004175.1 | 1 |
| 4647 | seob4625 | small nuclear rna (snrna) gene (clone pu1-6) and flanks | K00529.1 | 1 |
| 4648 | SEOA5637a | small nuclear RNA activating complex, polypeptide 1, 43kD (SNAPC1) (=Z47542) | 4507100 | 1 |
| 4649 | SEOA2391a | Smg GDS-associated protein SMAP | U59919 | 1 |
| 4650 | MIOA6734a | SnRNP assembly defective 1 homologue (SAD1) (=AF132955 CGI-21) | gi5730024 | 1 |
| 4651 | ncr7102 | SNRPN | U81001.1 | 1 |
| 4652 | SEOA0422 | SOF1 PROTEIN | spP33750 | 1 |
| 4653 | MIOA1944a | SPF31 (SPF31) | AF083190 | 1 |
| 4654 | seob4693 | splicing factor (45kD) (SPF45) (ORF) | NM_006450.1 | 1 |
| 4655 | MIOA9067 | splicing factor 30, survival of motor neuron-related (SPF30) (ORF) | NM_005871.1 | 1 |
| 4656 | fcrb2197 | splicing factor arginine/serine-rich 5 (SFRS5) | XM_031133.1 | 1 |
| 4657 | hfcr9323 | splicing factor Prp8 | AF092565.1 | 1 |
| 4658 | HFCR3183 | splicing factor SC35 | M90104.1 | 1 |
| 4659 | MIOB2129 | splicing factor SRp40-3 (SRp40) | U30827.1 | 1 |
| 4660 | seob4001 | splicing factor SRp55-1 (SRp-55) | U30883.1 | 1 |
| 4661 | mioa7701a | splicing factor, arginine/serine-rich 2, interacting protein (SFRS2IP), mRNA /cds=(1210,4656) /gb=NM_004719 /gi=4759171 /ug=Hs.51957 /len=5307 | Hs.51957 | 1 |
| 4662 | FCR0770N | SPLICING FACTOR, ARGININE/SERINE-RICH 8 (SUPPRESSOR OF WHITE APRICOT PROTEIN HOMOLOG) | spQ12872 | 1 |
| 4663 | ncr5046 | splicing factor, arginine/serine-rich2, interacting protein (RefSeq aa 2e-82) | NP_004710.1 | 1 |
| 4664 | FCR7308 | splicing factor, SF1-HL1 isoform | Y08765 | 1 |
| 4665 | hfcr9785 | SRp25 nuclear protein(LOC51329) | NM_016638.1 | 1 |
| 4666 | ncr3971 | SRp46 splicing factor retropseudogene | AF031166.1 | 1 |
| 4667 | hfcr3043 | SR-related protein LD2 (=RNA-binding protein S1,serine-rich domain (RNPS1)) | AF247662.1 | 1 |
| 4668 | ncrb0864 | staufer (Drosophila, RNA-binding protein) homolog 2 (STAU2)(= 39k3 protein) | NM_014393.1 | 1 |
| 4669 | MIOA8289 | staufer protein (STAU) | AF061940 | 1 |
| 4670 | seob6467 | step II splicing factor SLU7 (SLU7) (ORF) | NM_006425.1 | 1 |
| 4671 | miob6472 | SYNCRIP | AB035725.1 | 1 |
| 4672 | fcrb1320 | TIA1 cytotoxic granule-associated RNA-binding protein-like 1 (TIAL1) | NM_003252.1 | 1 |
| 4673 | SEOB1466 | tRNA-Lys gene (low match:nt 1e-10) | U00939.1 | 1 |
| 4674 | FCR2542N | U1 small nuclear ribonucleoprotein 70 kd protein | M22636 | 1 |
| 4675 | SEOB2067 | u1B-IC/SNRPN transCRipt | L80005.1 | 1 |
| 4676 | ncr2574 | U2 small nuclear RNA gene | K03022.1 | 1 |
| 4677 | FCR2607 | U2 snRNP auxiliary factor small subunit | M96982 | 1 |
| 4678 | MIOA7299 | U5 snRNP-specific protein, 116 kD (U5-116KD) (=D21163 KIAA0031) | gi4759279 | 1 |
| 4679 | seob7176 | U50' snoRNA and U50 snoRNA | AB017710.1 | 1 |
| 4680 | seob4191 | U6 snRNA-associated Sm-like protein LSm6 | AF182292.1 | 1 |
| 4681 | fcrb1069 | U6 snRNA-associated Sm-like protein LSm7 (LOC51690), mRNA | NM_016199.1 | 1 |

Figure 6A - Continued

| | | | | |
|------|-----------|---|-------------|---|
| 4682 | SEOA1734a | U6 snRNA-associated Sm-like protein LSm8 | AF182294.1 | 1 |
| 4683 | ncr4912 | pre-mRNA splicing factor (PRP18) | NM_003675.1 | 1 |
| 4684 | FCR0272 | RNA polymerase II 14.5 kDa subunit | Z23102 | 1 |
| 4685 | MIOA4064a | RNA polymerase subunit hRPB 33 | J05448 | 1 |
| 4686 | fcr0138 | rsly1p | U57687 | 1 |
| 4687 | miob0496 | SC35-interacting protein 1 (SRRP129)(= splicing factor Sip1) | NM_004719.1 | 1 |
| 4688 | seoa7687a | TAF13 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 18 kD, clone MGC:22425 IMAGE:4289451, mRNA, complete cds | BC017821.1 | 1 |
| 4689 | seoa7020 | TAF7 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 55 kD (TAF7), mRNA /cds=(740,1789) /gb=NM_005642 /gi=14717406 /ug=Hs.155188 /len=2310 | Hs.155188 | 1 |
| 4690 | hfc1760 | BAT2-related gene | AL096857.1 | 1 |
| 4691 | SEOA7608a | BC-2 protein | AF042384 | 1 |
| 4692 | ncrb0045 | chitinase 3-like 1(cartilage glycoprotein-39) (CHI3L1) | NM_001276.1 | 1 |
| 4693 | ncr1055 | Ig superfamily protein (Z39IG) | NM_007268.1 | 1 |
| 4694 | fcrb2502 | lymphocyte antigen 6 complex, locus E (LY6E), mRNA | XM_051298.1 | 1 |
| 4695 | hfc6651 | natural killer cell enhancing factor (NKEFB) | L19185.1 | 1 |
| 4696 | SEOA0462 | 75-kD autoantigen (PM-Sc1) | M58460 | 1 |
| 4697 | MIOA3527a | activity and neurotransmitter-induced early gene 11 (ania-11) | AF050663 | 1 |
| 4698 | hfc7076 | alpha-2-macroglobulin receptor-associated protein | M63959.1 | 1 |
| 4699 | FCR5392 | B-cell receptor associated protein (hBAP) | U72511 | 1 |
| 4700 | MIOA5812a | B-cell receptor-associated protein BAP29 | AF126020 | 1 |
| 4701 | FCR0787 | cartilage associated protein | X97607 | 1 |
| 4702 | hfc0517 | cartilage associated protein(CRTAP) | NM_006371.1 | 1 |
| 4703 | ncr1218 | cbl-b | U26710.1 | 1 |
| 4704 | BFC50261 | chromosome 1 immunoglobulin V (K)I | X17278 | 1 |
| 4705 | SEOA1571 | early activation antigen CD69 | L07555 | 1 |
| 4706 | miob0939 | early endosome antigen 1, 162kD (EEA1) | NM_003566.1 | 1 |
| 4707 | hfc8036 | erythroblast macrophage protein EMP | AF084928.1 | 1 |
| 4708 | ncrb0328 | HLA CLASS I HISTOCOMPATIBILITY ANTIGEN, ALPHA CHAIN F PRECURSOR | P30511 | 1 |
| 4709 | miob2879 | HLA class I locus C heavy chain | X58536.1 | 1 |
| 4710 | FCR5937 | HLA class III region (NOTCH4 gene) | U89336 | 1 |
| 4711 | ncr7082 | HLA-A gene, HLA-A*0205 allele | L76290.1 | 1 |
| 4712 | hfc5988 | HLA-B associated transcript-2 (D6S51E) =(MSH55 gene) | NM_004638.1 | 1 |
| 4713 | mioa0737m | HLA-B35 mRNA (ORF) | Z22651 | 1 |
| 4714 | ncrb2092 | hla-dr heavy chain cooh terminus | J00200.1 | 1 |
| 4715 | MIOA5165a | HMBA-inducible (HIS1)=AB021179 , HEXIM1 protein | NM_006460.1 | 1 |
| 4716 | hfc1952 | immunoglobulin (CD79A) binding protein 1 (IGBP1) | NM_001551.1 | 1 |
| 4717 | seob4480 | immunoglobulin G Fc receptor (ORF) | J03619.1 | 1 |
| 4718 | SEOA2639 | immunoglobulin superfamily containing leucine-rich repeat (ISLR) | AB024537.1 | 1 |
| 4719 | hfc5404 | immunoglobulin superfamily member protein (BL2) | AF132811.1 | 1 |
| 4720 | miob5010 | immunoglobulin superfamily, member 6 (IGSF6) (=AJ223183.1 DORA) | gi5031672 | 1 |
| 4721 | ncrb6762 | imogen 38 (RefSeq aa 1e-60) | NP_005821.1 | 1 |
| 4722 | MIOA0869a | leukocyte common antigen (T200) | Y00638 | 1 |
| 4723 | SEOA2970a | major histocompatibility class II antigen gamma chain | K01144 | 1 |
| 4724 | ncrb5535 | major histocompatibility complex, class I, E (HLA-E) | NM_005516.1 | 1 |
| 4725 | SEOA4683a | major Yo paraneoplastic antigen(CDR2) | M63256 | 1 |
| 4726 | ncr5192 | male-enhanced antigen(MEA) | NM_014623.1 | 1 |
| 4727 | ncr7952 | MHC binding protein-2 | AAA36202.1 | 1 |

Figure 6A - Continued

| | | | |
|----------------|--|-------------|---|
| 4728 FCR5905 | MHC class I promoter binding protein (=AF120161 retinoic X receptor beta (RXRB)) | X65463 | 1 |
| 4729 SEOA4109a | miCRoglobulin (ORF){C to A point mutation at nucleotide 121} | S82300 | 1 |
| 4730 MIOA4817a | mutant (Daudi) beta2 - miCRoglobulin (ORF) | X07621 | 1 |
| 4731 FCR0951 | PA28 gamma subunit (Psme3) | AB007139 | 1 |
| 4732 seob5147 | SART-1 | AB006198.1 | 1 |
| 4733 seob4020 | strain ECOR 24 rrlB operon, complete sequence | AF053967 | 1 |
| 4734 ncrb4439 | SWAP-70 homolog | AF134894.1 | 1 |
| 4735 miob2897 | T-cell antigen receptor alpha-chain (TCR-ATF2) | M77167.1 | 1 |
| 4736 SEOA3415a | T-cell nuclear receptor NOT (Nurr1) | AB019433.1 | 1 |
| 4737 SEOB1513 | T-cell receptor alpha chain-c6.1A fusion protein (c6.1A-TCRC) gene | S72931.1 | 1 |
| 4738 ncrb1186 | T-cell receptor alpha delta locus | AF283991.1 | 1 |
| 4739 miob0986 | T-cell receptor alpha delta locus from bases 1 to 250529 (section 1 of 5) of the Complete Nucleotide Sequence | AE000658.1 | 1 |
| 4740 ncr7066 | TJ6 protein (RefSeq aa 8e-56) | NP_036595.1 | 1 |
| 4741 ncrb6261 | 180 kDa transmembrane PLA2 receptor | U17033.1 | 1 |
| 4742 SEOA1802a | adult T-cell leukemia derived factor | E01915 | 1 |
| 4743 FCR6228 | BAG-family molecular chaperone regulator-3 | AF095193 | 1 |
| 4744 MIOA2722a | BAG-family molecular chaperone regulator-5 (=AB020680 KIAA0873) | AF095195.2 | 1 |
| 4745 SEOA5743a | beta-defensin-1,2 | U50931 | 1 |
| 4746 FCR4746 | breast epithelial antigen BA46 | U58516 | 1 |
| 4747 ncr8326 | BTK-binding protein mRNA, complete cds | AF235049.1 | 1 |
| 4748 ncr3948 | cellular repressor of E1A-stimulated genes (CREG) | NM_003851.1 | 1 |
| 4749 MIOA2395a | centromere autoantigen C (CENPC) | M95724 | 1 |
| 4750 ncr1590 | colon cancer antigen NY-CO-45 mRNA, partial cds | AF039442.1 | 1 |
| 4751 ncr3141 | DARC | X85785.1 | 1 |
| 4752 miob6870 | defensin, alpha 3, neutrophil-specific (DEFA3) (=PRO2832) | NM_005217.1 | 1 |
| 4753 ncrb8817 | heat shock 105kD (HSP105B) | NM_006644.1 | 1 |
| 4754 FCR3269 | HEAT SHOCK COGNATE 71 KD PROTEIN | spP11142 | 1 |
| 4755 FCR4876 | heat shock factor 2 (HSF2) | M65217 | 1 |
| 4756 SEOA6494a | heat shock protein (=AF085359.1 HSPC030) | AF170920 | 1 |
| 4757 hfcr0923 | heat shock protein (HSP21) mRNA, chloroplast gene encoding chloroplast protein, complete cds | U66300.1 | 1 |
| 4758 BFCW0024 | Heat shock protein 70 testis variant (=M59829 MHC class III HSP70-HOM (HLA)) | D85730 | 1 |
| 4759 seob7030 | heat shock protein apg-2 | AB023420.1 | 1 |
| 4760 SEOA4829a | heat shock protein hsp40 =U41290 DNAJ homolog (DNAJW) (ORF) | U40992 | 1 |
| 4761 SEOA8776 | HEAT SHOCK PROTEIN, MITOCHONDRIAL 10 KDA D12(HSP10) (10 KDA CHAPERONIN) (CPN10) | spQ04984 | 1 |
| 4762 mioa0511m | heat shock protein= HSPA2= L26336= U10284 | U56725 | 1 |
| 4763 hfcr5023 | hepatocellular carcinoma-associated antigen 56A (HCA56A) | AF262403.1 | 1 |
| 4764 seoa8052 | hepatocellular carcinoma-associated antigen 64 (HCA64) mRNA, complete cds /cds=(79,666) /gb=AF257175 /gi=7739705 /ug=Hs.314977 /len=2125 | Hs.314977 | 1 |
| 4765 miob1830 | HSP105 alpha (=AF039695.1 antigen NY-CO-25) | AB003334.1 | 1 |
| 4766 ncrb6037 | HSP27 | AB020027.1 | 1 |
| 4767 FCR4897 | mixed lineage kinase (MLK-3) (=U07747 sprk) | L32976 | 1 |
| 4768 FCR2952 | MSJ-1 | AB014888 | 1 |
| 4769 FCR0788 | NA14 protein | Z96932 | 1 |
| 4770 mioa9735 | novel T-cell activation protein | X94232.1 | 1 |

Figure 6A - Continued

| | | | |
|----------------|---|-------------|---|
| 4771 BFCS0042 | p38gamma MAP Kinase (=Y10487 stress activated protein kinase-3) | U66243 | 1 |
| 4772 miob4058 | platelet-endothelial tetraspan antigen 3 | U14650.1 | 1 |
| 4773 hfcr3587 | PML-1 | M79462.1 | 1 |
| 4774 ncr9355 | polymyositis/scleroderma autoantigen 1(75kD) (RefSeq aa 4e-86) | NP_005024.1 | 1 |
| 4775 fcrb1677 | pre-B cell stimulating factor homologue (SDF1b) | L36033.1 | 1 |
| 4776 SEOB2950 | PX19 protein | AF112203.1 | 1 |
| 4777 hfcr6932 | renal cell carcinoma associated antigen G250 | AJ010588.1 | 1 |
| 4778 hfcr0737 | rheumatoid arthritis related antigen RA-A47 | AB044781.1 | 1 |
| 4779 hfcr4170 | stannin (=DKFZp761P2414) | AF070673.1 | 1 |
| 4780 ncr6648 | Ste-20 related kinase (RefSeq aa 2e-41) | NP_037365.1 | 1 |
| 4781 fCR0832 | Ste20-like kinase | X99325 | 1 |
| 4782 seob5508 | stress 70 protein chaperone, microsome-associated, 60kD (STCH) | NM_006948.1 | 1 |
| 4783 ncr0864 | stromal antigen 3 (STAG3) | NM_012447.1 | 1 |
| 4784 ncr6242 | sulfotransferase 1C2 (SULT1C2) gene, complete cds | AF186263.1 | 1 |
| 4785 hfcr9347 | TP53 target gene (TP53TG1) | NM_007233.1 | 1 |
| 4786 FCR2897 | WP34 (phosphorylated lymphocyte differentiation and activation antigen) (=S67783) | X55188 | 1 |
| 4787 ncr2408 | ATPase inhibitor precursor | NP_057395.1 | 1 |
| 4788 BFCS0390 | BAI-associated protein 3 (=AB018277 hypothetical protein (KIAA0734)) | AB017111 | 1 |
| 4789 ncrb5060 | beta-site APP-cleaving enzyme (RefSeq aa 5e-88) | NP_036236.1 | 1 |
| 4790 fcrb1399 | interferon induced transmembrane protein 3 (1-8U) (IFITM3) | NM_021034.1 | 1 |
| 4791 ncr9199 | INTERFERON-INDUCED TRANSMEMBRANE PROTEIN 3 (INTERFERON-INDUCIBLE PROTEIN 1-8U) | spQ01628 | 1 |
| 4792 MIOA4674 | MEMBRANE PROTEIN C21ORF4 17.9 KD | P56557 | 1 |
| 4793 seoa0495m | trans-Golgi p230 | U41740 | 1 |
| 4794 seob6064 | Adaptor protein containing pH domain, PTB domain and leucine zipper motif (APPL) | NM_012096.1 | 1 |
| 4795 hfcr1731 | adaptor-related protein complex 1, gamma 2 subunit (G2AD) | NM_003917.1 | 1 |
| 4796 MIOA1701a | apoferritin H (=M11146) | X03488 | 1 |
| 4797 MIOA5059a | BIOTIN CARBOXYL CARRIER PROTEIN OF METHYLMALONYL-COA CARBOXYL-TRANSFERASE(TRANSCARBOXYLASE, 1.3S SUBUNIT) | P02904 | 1 |
| 4798 SEOA5778 | cationic amino acid transporter-2A (ATRC2) | U76368 | 1 |
| 4799 ncr1007 | coatamer protein complex, subunit beta (COPB) (=DKFZp761K102) | NM_016451.1 | 1 |
| 4800 hfcr6394 | coatamer protein complex, subunit epsilon (COPE) | NM_007263.1 | 1 |
| 4801 ncrb6557 | coatamer protein complex, subunit gamma 2 (RefSeq aa 2e-67) | NP_036265.1 | 1 |
| 4802 seob5491 | constitutively expressed serum amyloid A protein (SAA4) gene | L05920.1 | 1 |
| 4803 fcrb1019 | COP22 for nonclathrin coat protein zeta-COP (LOC51226) | NM_016429.1 | 1 |
| 4804 ncr9123 | corin (RefSeq aa 7e-45) | NP_006578.1 | 1 |
| 4805 seob8104 | DUTT1 (chromosome 3) | Z95705.1 | 1 |
| 4806 MIOA3084a | EGF repeat transmembrane protein | U57368 | 1 |
| 4807 hfcr5959 | ENIGMA protein | AF265209.1 | 1 |
| 4808 SEOA9828 | epithelial membrane protein 2 (EMP2) | NM_001424.1 | 1 |
| 4809 FCR0108 | erythrocyte adducin alpha subunit | X58141 | 1 |
| 4810 hfcr9371 | ferroportin 1; iron regulated gene 1 (FPN1)(= SLC11A3) | NM_014585.1 | 1 |
| 4811 ncrb6320 | golgi membrane protein GP73(LOC51280) | NM_016548.1 | 1 |

Figure 6A - Continued

| | | | |
|----------------|---|-------------|---|
| 4812 ncr5767 | Golgi membrane protein type II (RefSeq aa 4e-35) | NP_055313.1 | 1 |
| 4813 fcrb0097 | Ke4 gene, mouse, human homolog of (D6S2244E), = D82060 membrane protein with histidine rich charge clusters (ORF) | NM_006979.1 | 1 |
| 4814 hfcr2693 | LIM domain kinase 2 (LIMK2) | NM_005569.2 | 1 |
| 4815 fcrb1815 | lysosomal apyrase-like 1 (LYSAL1) | XM_040572.1 | 1 |
| 4816 hfcr9814 | membrane interacting protein of RGS16 (MIR16) | NM_016641.1 | 1 |
| 4817 MIOA6999a | membrane metallo-endopeptidase (neutral endopeptidase, enkephalinase, CALLA, CD10) (MME) =J03779=lymphoblastic leukemia antigen (CALLA) | NM_000902.1 | 1 |
| 4818 miob3942 | mouse SKD1 homolog (SKD1) | NM_004869.1 | 1 |
| 4819 hfcr9241 | multispanning nuclear envelope membrane protein nurim (NRM29) | AF143676.1 | 1 |
| 4820 fcrb2569 | myoglobin (MB), mRNA | NM_005368.1 | 1 |
| 4821 fcrb2200 | myo-inositol monophosphatase A3 (IMPA3) | AY032885.1 | 1 |
| 4822 SEOA9086 | N-ethylmaleimide-sensitive factor (NSF) | AF135168.1 | 1 |
| 4823 MIOA8396 | neuronal membrane glycoprotein M6b | U45955 | 1 |
| 4824 seob8078 | PEX13 | AB022192.1 | 1 |
| 4825 ncrb8821 | phosphate carrier precursor isoform 1a;phosphate carrier, mitochondrial precursor (RefSeq aa 3e-36) | NP_005879.1 | 1 |
| 4826 MIOA8946 | placental protein 17b1 (PP17)(=cargo selection protein (mannose 6 phosphate receptor binding protein) (TIP47) | AF055574.1 | 1 |
| 4827 seoa4934a | progesterone induced protein (DD5), mRNA /cds=(33,8432) /gb=NM_015902 /gi=15147336 /ug=Hs.278428 /len=8838 | Hs.278428 | 1 |
| 4828 seob6576 | putative membrane protein, complete cds | AB020980.1 | 1 |
| 4829 ncr3464 | putative heme-binding protein (SOUL) | NM_014320.1 | 1 |
| 4830 hfcr6677 | putative integral membrane transporter (LC27) | NM_018407.1 | 1 |
| 4831 fCR0983 | putative transmembrane receptor (frizzled 4) | U43317 | 1 |
| 4832 hfcr7393 | secretory granule neuroendocrine protein 1 (7B2 protein) (SGNE1) | NM_003020.1 | 1 |
| 4833 MIOA1953a | seven transmembrane segment receptor | M99293 | 1 |
| 4834 fcrb1503 | supervillin (SVIL) | XM_030476.2 | 1 |
| 4835 ncr8118 | tetraspan 3; Tspan-3 (RefSeq aa 8e-51) | NP_005715.1 | 1 |
| 4836 miob4475 | tetraspan NET-1 | AF065388.1 | 1 |
| 4837 hfcr1163 | tetraspan NET-6 protein(NET-6), mRNA | NM_014399.1 | 1 |
| 4838 seob7047 | tetraspanin TM4-D | AF133426.1 | 1 |
| 4839 fcrb0193 | translocase of inner mitochondrial membrane 10 (yeast) homolog (TIMM10) | NM_012456.1 | 1 |
| 4840 fcrb2059 | translocase of inner mitochondrial membrane 8 (yeast) homolog B (TIMM8B) | XM_041384.1 | 1 |
| 4841 SEOA9931 | transmembrane 4 superfamily protein (SAS) (ORF) | U01160 | 1 |
| 4842 SEOB2039 | transmembrane 7 superfamily member 1 (upregulated in kidney) (TM7SF1) | gi4507544 | 1 |
| 4843 ncr2182 | transmembrane GTPase | U95822.1 | 1 |
| 4844 mioa7654a | transmembrane protein 4 (TMEM4), mRNA /cds=(144,692) /gb=NM_014255 /gi=7657175 /ug=Hs.8752 /len=814 | Hs.8752 | 1 |
| 4845 FCR7114 | transmembrane protein CD99 type II | U82164 | 1 |
| 4846 SEOA3949a | transmembrane protein with EGF-like and two follistatin-like domains 1 (TMEFF1) | U19878 | 1 |
| 4847 ncr1567 | transmembrane proteolipid (HSPC224) | NM_016951.2 | 1 |
| 4848 mioa7738a | transmembrane trafficking protein (TMP21), mRNA /cds=(11,670) /gb=NM_006827 /gi=5803200 /ug=Hs.74137 /len=1302 | Hs.74137 | 1 |
| 4849 hfcr7095 | VAMP (vesicle-associated membrane protein)-associated protein B and C (VAPB) | NM_004738.1 | 1 |

Figure 6A - Continued

| | | | |
|----------------|---|-------------|---|
| 4850 hfc7402 | mutL (E. coli) homolog 3 (MLH3) | NM_014381.1 | 1 |
| 4851 FCR5081 | mutY homolog (hMYH) | U63329 | 1 |
| 4852 ncr3164 | alanyl-tRNA synthetase (AARS) | NM_001605.1 | 1 |
| 4853 hfc8478 | damage-specific DNA binding protein 2 (48kD) (DDB2) | NM_000107.1 | 1 |
| 4854 SEOA0737n | DNA recombination and repair protein (MRE11B) | AF022778 | 1 |
| 4855 SEOA6203a | DNA repair protein XRCC4 | U40622 | 1 |
| 4856 ncrb8248 | DNA topoisomerase gene type I, exon 8 | M60694.1 | 1 |
| 4857 FCR5288 | DNA topoisomerase II binding protein | AB019397 | 1 |
| 4858 BFCN0116 | excision repair gene ERCC-1 | X07415 | 1 |
| 4859 hfc3674 | Helicase (KIAA0054) | NM_014877.1 | 1 |
| 4860 SEOA0931 | HHR23A protein | D21235 | 1 |
| 4861 ncr6459 | KIAA0054 gene product; Helicase (RefSeq aa 1e-50) | NP_055692.1 | 1 |
| 4862 hfc3374 | nucleolar RNA-helicase (noH61 gene) | AJ131712.1 | 1 |
| 4863 ncr4296 | putative RNA helicase, 3' end | AJ223948.1 | 1 |
| 4864 ncr1811 | RAD50 (S. cerevisiae) homolog (RefSeq aa 2e-36) | NP_005723.1 | 1 |
| 4865 MIOB2569 | RAD50-2 protein (RAD50) | AF057299.1 | 1 |
| 4866 MIOA2851a | Rad51-interacting protein (60% aa) | AF006259 | 1 |
| 4867 hfc9290 | RAD9 (S. pombe)(RAD9)=(cell cycle checkpoint control protein) | NM_004584.1 | 1 |
| 4868 hfc6783 | SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily d, member 3 (SMARCD3) | NM_003078.1 | 1 |
| 4869 hfc6663 | SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily e, member 1 (SMARCE1) (=BAF57) | NM_003079.1 | 1 |
| 4870 SEOA6734 | T-COMPLEX PROTEIN 1, EPSILON SUBUNIT (TCP-1-EPSILON) (CCT-EPSILON) (KIAA0098) | spP48643 | 1 |
| 4871 MIOA3160a | T-COMPLEX PROTEIN 1, THETA SUBUNIT (TCP-1-THETA) (CCT-THETA) (KIAA0002) | spP50990 | 1 |
| 4872 ncrb6282 | transketolase-like 1 (TKTL1) | NM_012253.1 | 1 |
| 4873 ncrb7675 | xeroderma pigmentosum complementation group A (XPA) | NM_000380.1 | 1 |
| 4874 miob3249 | adenylate kinase 2 (AK2), transcript variant AK2A, nuclear gene encoding mitochondrial protein, mRNA | NM_001625.1 | 1 |
| 4875 fCR0657 | carbonic anhydrase III | M29452 | 1 |
| 4876 hfc1900 | carbonic anhydrase XII (CA12) | NM_001218.1 | 1 |
| 4877 MIOA5355a | ceruloplasmin, exon 10 (ORF) | D45037 | 1 |
| 4878 MIOA2224a | coagulation factor VIII | AF062515 | 1 |
| 4879 SEOB1787 | complement C1q A chain precursor | AF135157.1 | 1 |
| 4880 ncr0644 | complement component 2 (RefSeq aa 7e-80) | NP_000054.1 | 1 |
| 4881 ncrb5699 | complement component 3 precursor (RefSeq aa 9e-33) | NP_000055.1 | 1 |
| 4882 ncr1299 | complement component 3a receptor 1 (RefSeq aa 2e-56) | NP_004045.1 | 1 |
| 4883 MIOA2185a | complement decay-accelerating factor (DAF) (=M31516) | M15799 | 1 |
| 4884 hfc9678 | cytochrome P450 21-hydroxylase (CYP21) gene, partial cds; TNX pseudogene, complete sequence; and RP2 pseudogene, partial sequence (=XA (XA) gene) (=21-hydroxylase (P-450(C21)) B gene) | AF077974.1 | 1 |
| 4885 FCR2750 | cytochrome P450 3A9 | U46118 | 1 |
| 4886 ncr9572 | cytochrome P450 monooxygenase (LOC57404) | NM_020674.1 | 1 |
| 4887 ncrb5514 | cytochrome P450, subfamily IVA, polypeptide 11; CYP4A11 (RefSeq aa 3e-48) | NP_000769.1 | 1 |
| 4888 ncr4552 | epoxide hydrolase 2, cytoplasmic (EPHX2) | NM_001979.1 | 1 |
| 4889 mioa7639a | glutathione S-transferase A4 (GSTA4) | NM_001512.1 | 1 |
| 4890 ncrb4976 | glutathione S-transferase theta 2 (GSTT2) (GSTT1) genes | AF240786.1 | 1 |

Figure 6A - Continued

| | | | |
|----------------|---|-------------|---|
| 4891 miob6113 | glutathione S-transferase= (MICROSOMAL GST-1)=P10620 | J03746.1 | 1 |
| 4892 FCR7019 | glutathione synthetase | U34683 | 1 |
| 4893 FCR7415 | glutathione transferase M2 (GSTM2) | M63509 | 1 |
| 4894 SOA0065 | gpx1 glutathione peroxidase (=Y00433) | X13709 | 1 |
| 4895 FCR0633 | iron-responsive element-binding protein/iron regulatory protein 1 (IRE-BP1/IRP1) | M58510 | 1 |
| 4896 FCR3878 | lactoferrin BTLF3 | L24753 | 1 |
| 4897 MIOA8851 | light chain of factor I | CAA68418.1 | 1 |
| 4898 ncrb8475 | metallothionein 2A; MT-II (RefSeq aa 8e-30) | NP_005944.1 | 1 |
| 4899 miob0795 | MHC class II DR subtype Dw12 | M16086.1 | 1 |
| 4900 SEOB1399 | MHC class II HLA-DR7-associated glycoprotein beta-chain | M16941.1 | 1 |
| 4901 SEOA3472a | MHC class II HLA-DR-beta-1 (HLA-DRB1) | M33600 | 1 |
| 4902 miob5938 | MHC HLA-Dw12 DQ-beta chain | M57650.1 | 1 |
| 4903 fcrb0607 | MHC leukocyte antigen (HLA-A) gene, HLA-A*2402 allele | L47206.1 | 1 |
| 4904 FCR7146 | MTA1 like1 | AB016591.1 | 1 |
| 4905 MIOA4704 | MTG8-like protein(MTGR1) gene | AF076461.1 | 1 |
| 4906 hfcr2599 | MTH1b (p22), MTH1c (p21), MTH1d (p18) | AB025239.1 | 1 |
| 4907 fcrb0354 | pentaxin-related gene rapidly induced by IL-1 beta (PTX3) | NM_002852.1 | 1 |
| 4908 ncrb2839 | peroxiredoxin 3; thioredoxin-dependent peroxide reductase precursor (RefSeq aa 1e-92) | NP_006784.1 | 1 |
| 4909 ncrb3228 | PHEX gene | Y10196.1 | 1 |
| 4910 miob5810 | prothrombin (F2) gene (Alu and KpnI repeats) | M17262.1 | 1 |
| 4911 ncrb0907 | small inducible cytokine subfamily A(Cys-Cys), member 8 (monocyte chemotactic protein 2)(RefSeq aa 3e-59) | NP_005614.1 | 1 |
| 4912 ncrb6232 | small inducible cytokine subfamily B (Cys-X-Cys), member 14 (BRAK) (SCYB14) | NM_004887.1 | 1 |
| 4913 MIOA0072a | Sop2p-like protein | Y08999 | 1 |
| 4914 FCR3580 | Su (P) (=Z70310 C.elegans glutathione S-transferase) | AJ011320 | 1 |
| 4915 fcrb1856 | superoxide dismutase 1 soluble (amyotrophic lateral sclerosis 1 (adult))(SOD1) | XM_047885.1 | 1 |
| 4916 hfcr9743 | superoxide dismutase 3, extracellular (SOD3) | NM_003102.1 | 1 |
| 4917 ncr9165 | superoxide dismutase Mn (EC 1.15.1.1+D3527) | Y00472.1 | 1 |
| 4918 FCR2075 | thiol-specific antioxidant | X82321 | 1 |
| 4919 ncr6012 | thioredoxin reductase 1 (TXNRD1) | NM_003330.1 | 1 |
| 4920 seoa0981m | Chediak-Higashi syndrome 1 (CHS1) | NM_000081.1 | 1 |
| 4921 MIOA6597a | Ankhn mRNA, | AB011370 | 1 |
| 4922 ncrb4490 | arfaptin 1 (HSU52521) | NM_014447.1 | 1 |
| 4923 MIOA4771 | intersectin short form | AF064243 | 1 |
| 4924 ncr4984 | alpha endosulfine | AF157509.1 | 1 |
| 4925 SEOA8521 | caveolin 2 (CAV2) | NM_001233.1 | 1 |
| 4926 hfcr7893 | caveolin 3 (CAV3) | NM_001234.2 | 1 |
| 4927 miob3938 | caveolin-1/-2 locus, Contig1, D7S522, genes CAV2 CAV1 | AJ133269.1 | 1 |
| 4928 FCR6969 | clathrin assembly protein 50 (AP50) (=D63475 hypothetical protein (KIAA01)) | U36188 | 1 |
| 4929 SEOA4886a | clathrin coat assembly protein | E13406 | 1 |
| 4930 hfcr3615 | clathrin, light polypeptide (Lcb) (CLTB) | NM_001834.1 | 1 |
| 4931 hfcr1633 | clathrin-associated protein | X97074.1 | 1 |
| 4932 hfcr7649 | Hermansky-Pudlak syndrome (HPS) | NM_000195.1 | 1 |
| 4933 MIOA3939a | kanadaplin | AF035526 | 1 |
| 4934 fcrb0099 | myoM [Dictyostelium discoideum](38%ORF) | AB017910 | 1 |
| 4935 ncr8363 | partial SNAP-23 gene for synaptosome associated protein-23, exons 6-8 | AJ278974.1 | 1 |
| 4936 SEOA3357a | Rab7 protein | X89650 | 1 |

Figure 6A - Continued

| | | | |
|----------------|--|-------------|---|
| 4937 FCR1829 | SKD1 homologue | AF038960 | 1 |
| 4938 FCR4106 | SMCY (H-Y) | U52191 | 1 |
| 4939 fcrb1556 | sympleskin; Huntingtin interacting protein I (SPK) | XM_017129.2 | 1 |
| 4940 MIOA9136 | synaptosome associated protein 23 kD isoform A | AJ011915.1 | 1 |
| 4941 mioa0480m | vesicle trafficking protein (SEC22C) (ORF) | AF039568 | 1 |
| 4942 hfcr1371 | VPS28 protein (LOC51160)(ORF) | NM_016208.1 | 1 |
| 4943 ncr9429 | zinc/ iron regulated transporter-like (ZIRTL) (=putative metal transporter (IRT1 homologue)) | NM_014437.1 | 1 |
| 4944 fcrb1684 | synaptosomal-associated protein 25kD (SNAP25) | XM_056115.1 | 1 |
| 4945 hfcr4451 | 4F2 heavy chain | AB018010.1 | 1 |
| 4946 SEOA9100 | 88-kDa Golgi protein (GM88) | AF204231.1 | 1 |
| 4947 miob3757 | CG12935 gene product | AAF58754.1 | 1 |
| 4948 ncr0509 | CG13865 gene product [Drosophila melanogaster] | AE003066 | 1 |
| 4949 SEOB1219 | CG13919 gene product | AE003472 | 1 |
| 4950 ncr9652 | CG14037 gene product | AAF52201.1 | 1 |
| 4951 ncr5810 | CG14903 gene product | AAF55335.1 | 1 |
| 4952 ncr0518 | CG17593 gene product [Drosophila melanogaster] | AE003579 | 1 |
| 4953 miob3721 | CG2839 gene product | AAF51469.1 | 1 |
| 4954 SEOB3468 | CG3358 gene product | AAF57413.1 | 1 |
| 4955 MIOA9099 | CG3918 gene product [Drosophila melanogaster](56%ORF) | AAF46166.1 | 1 |
| 4956 ncr7619 | CG6949 gene product | AE003739 | 1 |
| 4957 fcrb0044 | CG8605 gene product [Drosophila melanogaster] | AE003559 | 1 |
| 4958 miob3690 | CG9469 gene product | AAF57414.1 | 1 |
| 4959 MIOA0528 | CGI-03 protein (=AF106798 fas-associated factor 1 (FAF1)) | AF132938.1 | 1 |
| 4960 ncr2381 | CGI-06 protein (LOC51604), | NM_015937.1 | 1 |
| 4961 ncr2848 | CGI-10 protein (LOC51004), | NM_015940.1 | 1 |
| 4962 ncrb3241 | CGI-12 protein (RefSeq aa 1e-68) | NP_057026.1 | 1 |
| 4963 ncrb8649 | CGI-125 protein (RefSeq aa 1e-30) | NP_057144.1 | 1 |
| 4964 SEOA4524 | CGI-128 protein (ORF) | AF151886 | 1 |
| 4965 ncrb3352 | CGI-145 protein (RefSeq aa 2e-48) | NP_057159.1 | 1 |
| 4966 SeA0222 | CGI-17 protein | AF132951.1 | 1 |
| 4967 hfcr6971 | CGI-18 protein (LOC51008) | NM_015947.1 | 1 |
| 4968 seob5764 | CGI-26 protein (LOC51071) | NM_015954.1 | 1 |
| 4969 SEOA0577 | CGI-27 protein | AF132961.1 | 1 |
| 4970 ncrb6087 | CGI-35 protein (LOC51077) | NM_015962.1 | 1 |
| 4971 seob6703 | CGI-47 protein (LOC51095)(ORF) | NM_016000.1 | 1 |
| 4972 hfcr2708 | CGI-48 protein (LOC51096) | NM_016001.1 | 1 |
| 4973 SEOA7583a | CGI-54 protein (60% aa) | AF151812 | 1 |
| 4974 ncr3076 | CGI-79 protein (RefSeq aa 2e-76) | NP_057108.1 | 1 |
| 4975 MIOA0936 | CGI-80 protein | AF151838.1 | 1 |
| 4976 ncr8910 | CGI-85 protein (LOC51111) | NM_016028.1 | 1 |
| 4977 hfcr9410 | CGI-87 protein (LOC51112) | NM_016030.1 | 1 |
| 4978 seob4223 | cytoplasmic dynein intermediate chain 2C mRNA Length = 2460 | U39046.1 | 1 |
| 4979 fcrb2453 | cytoskeleton-associated protein 4 (CKAP4), mRNA | XM_006940.4 | 1 |
| 4980 miob3668 | diaphanous 1 (HDIA1) | AF051782.1 | 1 |
| 4981 hfcr6937 | dynactin light chain (DCTN-22) | NM_007234.1 | 1 |
| 4982 miob3257 | dynactin p62 subunit(LOC51164)(= putative tumor suppressor) | NM_016221.1 | 1 |
| 4983 ncr0335 | dynein light chain-A (LOC51143)(ORF) | NM_016141.1 | 1 |
| 4984 SEOA1232A | dynein light intermediate chain 2 (LIC2) | AF035812 | 1 |
| 4985 ncr9803 | dynein, cytoplasmic, intermediate polypeptide 1 (RefSeq aa 3e-57) | NP_004402.1 | 1 |
| 4986 fcrb2401 | dynein, cytoplasmic, light intermediate polypeptide 2, clone IMAGE:4294925, mRNA | BC010928.1 | 1 |
| 4987 hfcr1140 | flightless I (Drosophila) homolog (FLII), mRNA | NM_002018.1 | 1 |
| 4988 fcrb1855 | gamma-tubulin complex protein 2 (GCP2) | XM_057524.1 | 1 |

Figure 6A - Continued

| | | | |
|----------------|--|-------------|---|
| 4989 miob2466 | golgi SNAP receptor complex member 1 (GOSR1) | NM_004871.1 | 1 |
| 4990 ncr3965 | golgi SNAP receptor complex member 2 (GOSR2) | NM_004287.1 | 1 |
| 4991 ncr3073 | Golgi transport complex protein (90 kDa) (GTC90) | NM_006348.1 | 1 |
| 4992 hfc7855 | golgin-67 (GOLGA5) D1886 | AF164622.1 | 1 |
| 4993 SEOA8997 | kinectin 1 (156 kDa Protein) (=CG1) | CAA80271.1 | 1 |
| 4994 ncr7801 | kinesin heavy chain member 2 (KIF2) | NM_004520.1 | 1 |
| 4995 miob0589 | kinesin-like protein GAKIN | AF279865.1 | 1 |
| 4996 FCR4306 | kinesin-like spindle protein HKSP (=X85137) | U37426 | 1 |
| 4997 ncr6552 | kinesin-related protein, partial cds | D14678.1 | 1 |
| 4998 MIOA0959 | MAP1B protein | AF115776.1 | 1 |
| 4999 ncrb2266 | microtubule-associated proteins 1A/1B light chain 3 | AF303888.1 | 1 |
| 5000 hfc6366 | novel centrosomal protein RanBPM (RANBPM) | NM_005493.1 | 1 |
| 5001 FCR2182 | spindle pole body protein spc97 homologue GCP2 | AF042379 | 1 |
| 5002 SEOA0526 | Sprague-Dawley acidic calponin | U06755 | 1 |
| 5003 miob6988 | TACC2 protein (TACC2) (=AF176646.1 anti zuai-1) | AF095791.1 | 1 |
| 5004 ncr3276 | CG2974 gene product (aa 2e-41,52%) | AAF46554.1 | 1 |
| 5005 ncr4473 | CG6353 gene product (aa 3e-20,68%) | AAF55906.1 | 1 |
| 5006 ncr2377 | CG8198 gene product | AAF48498.1 | 1 |
| 5007 fcrb2338 | CGI-01 protein (CGI-01), mRNA | NM_015935.2 | 1 |
| 5008 ncr5768 | CGI-11 protein (RefSeq aa 2e-35) | NP_057025.1 | 1 |
| 5009 fcrb1890 | CGI-144 protein | AF151902.1 | 1 |
| 5010 ncr4903 | CGI-55 protein | AF151813.1 | 1 |
| 5011 SEOA8520 | dJ797M17.1 (Dermatopontin) | CAB46693.1 | 1 |
| 5012 ncr2258 | adlican | AF245505.1 | 1 |
| 5013 ncr5484 | chondrocyte expressed protein 68 kDa (CEP-68 gene)(= ASPIC(acidic secreted protein in cartilage)) | AJ279016.1 | 1 |
| 5014 ncr1476 | chondroitin 4-O-sulfotransferase 2 | AF239822 | 1 |
| 5015 ncr0385 | chondroitin 6-sulfotransferase | AB017915 | 1 |
| 5016 hfc9935 | collagen type III N-endopeptidase (PCOLN3), (=metallopeptidase PRSM1) (=KIAA0047 gene.) | NM_002768.1 | 1 |
| 5017 hfc0832 | collagen type VI alpha 2 (COL6A2) | M81836.1 | 1 |
| 5018 ncrb2804 | collagenous repeat-containing sequence of 26kDa protein | AAG33704.1 | 1 |
| 5019 ncr7227 | dentin matrix acidic | NM_004407.1 | 1 |
| 5020 ncr6773 | dystroglycan 1 | NM_004393.1 | 1 |
| 5021 MIOA5409a | EGF-containing fibulin-like extracellular matrix protein 1 (EFEMP1) =U03877= extracellular protein(S1-5) | NM_004105.1 | 1 |
| 5022 hfc3539 | elastin gene, partial cds and partial 3'UTR | U77846.1 | 1 |
| 5023 BFCW0023 | EPSILON-COAT PROTEIN (EPSILON-COP; LDLF) (low match) | spAC005197 | 1 |
| 5024 FCR0511 | extracellular protein (S1-5) | U03877 | 1 |
| 5025 hfc1915 | fibrillarin (FBL) | NM_001436.1 | 1 |
| 5026 fcrb2060 | fibulin 1 (FBLN1) | XM_047231.1 | 1 |
| 5027 hfc1667 | fibulin 2 (FBLN2) | NM_001998.1 | 1 |
| 5028 FCR6221 | fibulin-4 | AJ132819 | 1 |
| 5029 hfc5864 | germ line gene homologous to bladder carcinoma oncogene T24 (Gene code c-Ha-ras-1)with four exons | V00574.1 | 1 |
| 5030 FCR5812 | glypican-5 (GPC5) (=AF001462) | U66033 | 1 |
| 5031 fcrb1876 | glypican-6 (GPC6) | AF105267.1 | 1 |
| 5032 MIOA2858a | Hakata antigen | D88587 | 1 |
| 5033 FCR6854 | heparan-sulfate 6-sulfotransferase | AB006179 | 1 |
| 5034 MIOA6697a | hepatic leukemia factor (HLF) | M95585 | 1 |
| 5035 hfc3616 | interphotoreceptor matrix proteoglycan 200 (SPACRCAN)(ORF) | NM_016247.1 | 1 |
| 5036 SEOB0242 | lamin-like protein (low match) | M24732 | 1 |
| 5037 hfc1762 | linker for activation of T cells (LAT) | AF036906.1 | 1 |
| 5038 seob4216 | LST1 mRNA, cLST1/E splice variant, complete cds | AF000426.1 | 1 |
| 5039 ncr9060 | matrilin 4 (RefSeq aa 5e-44) | NP_003824.1 | 1 |
| 5040 FCR1464 | miCRofibril-associated glycoprotein 4 (MFAP4) | L38486 | 1 |

Figure 6A - Continued

| | | | |
|----------------|---|-------------|---|
| 5041 MIOB1506 | miCRofibril-associated glycoprotein-2 MAGP-2 | U37283.1 | 1 |
| 5042 hfc8814 | microfibrillar-associated protein 2 (MFAP2) | NM_002403.1 | 1 |
| 5043 FCR0056n | mucin MUC1 (=M61170) | X69118 | 1 |
| 5044 FCR1783 | nidogen (=M27445;M30269) (low match) | X84837 | 1 |
| 5045 fCR0125 | period (per) region proteoglycan gene | M13655 | 1 |
| 5046 ncrb3928 | PG-M core protein | D45889.1 | 1 |
| 5047 SOA0031 | phosphatidylinositol glycan, class H (PIGH) | L19783 | 1 |
| 5048 fcrb2637 | phosphatidylinositol glycan, class K (PIGK)(=AF022913.1 GPI transamidase) (=Y07596.1 GPI8 protein) | XM_039644.2 | 1 |
| 5049 miob4595 | pRGR1 | AF041429.1 | 1 |
| 5050 ncrb1511 | psihHbC pseudogene for hair keratin | Y19215.1 | 1 |
| 5051 miob6103 | sarcolemmal associated protein (SLAP1) mRNA, complete cds | U21155.1 | 1 |
| 5052 ncrb2928 | sarcolipin (SLN) | NM_003063.1 | 1 |
| 5053 FCR7548 | sarcosin | AF056929 | 1 |
| 5054 ncr2391 | sarcospan (Kras) | NM_005086.2 | 1 |
| 5055 ncrb2422 | sarcospan (Sspn), mRNA | NM_010656.1 | 1 |
| 5056 ncrb4485 | serglycin gene | M90058.1 | 1 |
| 5057 hfc3859 | SHORT-CHAIN COLLAGEN C4 | P18503 | 1 |
| 5058 hfc6406 | tenascin XA (TNXA) | NM_007116.1 | 1 |
| 5059 ncrb2155 | Z-crystallin/quinone reductase (CRYZ) gene sequence | L31526.1 | 1 |
| 5060 ncrb4763 | Hem-2 | X80029.1 | 1 |
| 5061 ncr2999 | LAZ3/BCL6 gene | Z79581.1 | 1 |
| 5062 MIOA4277 | MLL (MLL) gene, exons 1-3, similar to MARINER TRANSPOSASE | AF036405 | 1 |
| 5063 FCR6531 | 22kDa smooth muscle protein (SM22) | M95787 | 1 |
| 5064 hfc4068 | actin binding protein (Schizosaccharomyces pombe sop2-like) (SOP2L) | NM_006409.1 | 1 |
| 5065 hfc3902 | actin related protein 2/3 complex, subunit 1B (41 kD) (ARPC1B), mRNA | NM_005720.1 | 1 |
| 5066 ncr5242 | actin-binding protein 22 kDa (SM22) gene | AF013711.1 | 1 |
| 5067 ncr4696 | actin-binding protein homolog ABP-278 | AF043045.1 | 1 |
| 5068 MIOA8531 | actinin-associated LIM protein | AF039018 | 1 |
| 5069 MIOA5404a | actin-like 6 (ACTL6)=AF041474 =BAF53a (BAF53a)(ORF) | NM_004301.1 | 1 |
| 5070 hfc5970 | ACTN2 gene for alpha-Actinin 2, exon 21 | AJ249776.1 | 1 |
| 5071 seob7900 | A-kinase anchoring protein 220 (=AB014529 KIAA0629) | AF176555.1 | 1 |
| 5072 FCR2972 | alpha 1-syntrophin (SNT A1) | U40571 | 1 |
| 5073 FCR4357 | alpha II spectrin (=J05243;X86901) | U83867 | 1 |
| 5074 FCR4754 | alpha-adducin | L29294 | 1 |
| 5075 hfc1379 | alpha-tropomyosin | AJ001055.1 | 1 |
| 5076 seob6217 | alpha-tubulin | K00557.1 | 1 |
| 5077 BFCW0200 | ankyrin 1 (ANK1) (=M28880) | AF005213 | 1 |
| 5078 FCR2209 | ankyrin alt. variant 2.2 (53%,aa) | X16609 | 1 |
| 5079 FCR4743 | ankyrin binding glycoprotein-1 related mRNA sequence | L11002 | 1 |
| 5080 miob7030 | ankyrin-repeat containing protein (Krit1) gene | U90269.1 | 1 |
| 5081 ncr4486 | A-raf-1 oncogene | X04790.1 | 1 |
| 5082 hfc5237 | archvillin (SVIL) | AF109135.1 | 1 |
| 5083 FCR2587 | beta tubulin (clone nuk_278) | X79535 | 1 |
| 5084 MIOA1948a | beta-filamin | AF042166 | 1 |
| 5085 seob5640 | beta-tubulin | AF141349.1 | 1 |
| 5086 seoa7955 | capping protein alpha mRNA, partial cds /cds=UNKNOWN /gb=U03851 /gi=433307 /ug=Hs.75546 /len=2287 | Hs.75546 | 1 |
| 5087 FCR2585 | capping protein_beta-subunit isoform 1 | U10406 | 1 |

Figure 6A - Continued

| | | | |
|----------------|--|-------------|---|
| 5088 fcrb1101 | CDC42-binding protein kinase beta (DMPK-like) (CDC42BPB) mRNA | NM_006035.1 | 1 |
| 5089 FCR3664 | cofilin, non-muscle type (=U21909) | X95404 | 1 |
| 5090 ncr7207 | cytohesin 1, isoform 2 (RefSeq aa 3e-30) | NP_059430.1 | 1 |
| 5091 hfc4278 | cytokeratin 8 | U76549.1 | 1 |
| 5092 FCR1111 | desmosome associated protein pinin | U77716 | 1 |
| 5093 fCR0958 | destrin-2 (=actin depolymerizing factor) | U72518 | 1 |
| 5094 seob7941 | drebrin E | D17530.1 | 1 |
| 5095 FCR3299 | dynammin | L07807 | 1 |
| 5096 FCR7518 | dystrobrevin B DTN-B1 | Y15722 | 1 |
| 5097 hfc4011 | GLUT1 C-terminal binding protein (GLUT1CBP) | NM_005716.1 | 1 |
| 5098 SEOA6620a | hCRNN4 | AB030656.1 | 1 |
| 5099 ncr3649 | kelch (Drosophila)-like 3(=kelch-like protein KLHL3b)(= KLHL3c)(= KLHL3a)(= KIAA1129 protein,) | NM_017415.1 | 1 |
| 5100 MIOB2163 | keratin type II (58 kD) | M21389.1 | 1 |
| 5101 FCR4057 | NuMA protein (=Z11584;Z14229;Z14227) | Z11583 | 1 |
| 5102 seoa8101 | partial TTN gene for titin | AJ277892.2 | 1 |
| 5103 hfc6691 | phosvitin/casein kinase type II beta subunit (EC 2.7.1.37) | X16937.1 | 1 |
| 5104 miob0974 | regulatory factor X-associated ankyrin-containing protein (RFXANK) | NM_003721.1 | 1 |
| 5105 mioa7812a | scinderin (SCIN), mRNA /cds=(276,1682) /gb=Nm_033128 /gi=14916472 /ug=Hs.210473 /len=2571 | Hs.210473 | 1 |
| 5106 hfc3436 | singed (Drosophila)-like(sea urchin fascin homolog like) (SNL) | NM_003088.1 | 1 |
| 5107 hfc9054 | skeletal muscle alpha-actin gene (ACTA1) | AF182035.1 | 1 |
| 5108 ncrb6644 | skeletal muscle HSB84A051 STRATAGENE cDNA library, cat. #936215. cDNA clone 84A05 | Z28721.1 | 1 |
| 5109 fCR0373 | skeletal muscle selenoprotein W (SelW) | U25264 | 1 |
| 5110 FCR4784 | smoothelin | AC005005 | 1 |
| 5111 ncr0836 | spectrin, alpha,non-erythrocytic 1 (alpha-fodrin) (SPTAN1)(= alpha II spectrin) | NM_003127.1 | 1 |
| 5112 hfc3527 | spectrin, beta, non-erythrocytic 1 (SPTBN1)(ORF) = M96803.1 | NM_003128.1 | 1 |
| 5113 ncr5668 | stretch regulated skeletal | CAC03620.1 | 1 |
| 5114 ncr6399 | striated muscle contraction regulatory protein (Id2B) | M96843.1 | 1 |
| 5115 ncrb2687 | TANKYRASE (RefSeq aa 9e-90) | NP_003738.1 | 1 |
| 5116 FCR5483 | telethonin | AJ000491 | 1 |
| 5117 SEOA9499 | testican-1 | AF231124 | 1 |
| 5118 SEOA0990n | TRICHOHYALIN | spP37709 | 1 |
| 5119 fcrb1539 | tubulin alpha 6 (TUBA6) | XM_028724.2 | 1 |
| 5120 fcrb1618 | tubulin, alpha, ubiquitous (K-ALPHA-1) | NM_006082.1 | 1 |
| 5121 hfc3913 | tubulin, beta, 2 (TUBB2) (ORF) | NM_006088.1 | 1 |
| 5122 hfc4114 | tubulin, beta, 4 (TUBB4) | NM_006086.1 | 1 |
| 5123 fcrb1183 | tubulin-specific chaperone d (TBCD)= AJ006417 beta-tubulin cofactor D | NM_005993.2 | 1 |
| 5124 FCR0903 | uroporphyrinogen decarboxylase (UROD) | AF047383 | 1 |
| 5125 hfc6970 | vasodilator-stimulated phosphoprotein (VASP) | NM_003370.1 | 1 |
| 5126 hfc9862 | zyxin (ZYG) (=ESP-2) | NM_003461.1 | 1 |
| 5127 ncr5929 | actin binding protein; macrophin(microfilament and actin filament cross-linker protein)(RefSeq aa 1e-40) | NP_036222.1 | 1 |
| 5128 fcrb1600 | alpha actinin 4 (Actn4) | NM_021895.1 | 1 |
| 5129 seob6525 | alpha tropomyosin (tpma) | AF180892.1 | 1 |
| 5130 fcrb2745 | aortic-type smooth muscle alpha-actin (SM-alpha-A) gene, exon 9 | M33216.1 | 1 |
| 5131 FCR5930 | fast skeletal troponin C | X07898 | 1 |
| 5132 FCR1562 | myosin alkali light chain (ventricular) | M24122 | 1 |

Figure 6A - Continued

| | | | |
|----------------|---|-------------|---|
| 5133 FCR2498 | myosin binding protein H | L05606 | 1 |
| 5134 ncr6212 | myosin IC (MYO1C) | NM_004998.1 | 1 |
| 5135 fcrb1834 | myosin, light polypeptide 6, alkali, smooth muscle and non-muscle (MYL6) | XM_049089.1 | 1 |
| 5136 ncr1912 | myosin, light polypeptide kinase (RefSeq aa 2e-76) | NP_005956.1 | 1 |
| 5137 FCR1337 | myosin-IXb | U42391 | 1 |
| 5138 ncr0808 | myotubular myopathy 1(MTM1) | NM_000252.1 | 1 |
| 5139 FCR2218 | regulatory myosin light chain (MYL5) | L03785 | 1 |
| 5140 FCR2935 | slow skeletal muscle troponin T (clone H22h) | M19309 | 1 |
| 5141 FCR3155 | slow-twitch skeletal troponin I (TNN1) | J04760 | 1 |
| 5142 SEOA1099 | SMAP-5 smooth muscle cell associated protein | AB014733 | 1 |
| 5143 ncr9779 | SMC-like protein | AJ005015.1 | 1 |
| 5144 hfcr8575 | smooth muscle myosin light chain kinase | M76233.1 | 1 |
| 5145 seob5431 | troponin I, skeletal, fast 2 (Tnni2), mRNA | NM_009405.1 | 1 |
| 5146 ncr0265 | adapt78 protein gene= U85266 | U53821.1 | 1 |
| 5147 miob3048 | colon cancer-associated protein Mic1 | NM_013326.1 | 1 |
| 5148 miob4322 | CRIB-containing BORG2 protein (BORG2) | AF164118.1 | 1 |
| 5149 miob0785 | laforin (EPM2A) | AF084535.2 | 1 |
| 5150 miob0628 | neuroligin 3 | AF217413.1 | 1 |
| 5151 hfcr9296 | peroxisomal membrane protein 20 | AF124993.1 | 1 |
| 5152 miob4307 | peroxisomal membrane protein 3 (35kD, Zellweger syndrome) (PXMP3) | NM_000318.1 | 1 |
| 5153 ncrb8539 | peroxisomal targeting signal 1 (SKL type) receptor | Z48054.1 | 1 |
| 5154 ncr5287 | peroxisome assembly factor-2 (PEX6) gene | AF108098.1 | 1 |
| 5155 HFCR3224 | phosphatidylinositol glycan, class C (PIGC) | gi4505794 | 1 |
| 5156 SEOA4177a | PIG-A protein | D11466 | 1 |
| 5157 hfcr3649 | tight junction protein 1 (zona occludens 1) (TJP1) | NM_003257.1 | 1 |
| 5158 miob1139 | tight junction protein ZO-2 (TJP2) | AF177533.1 | 1 |
| 5159 hfcr9400 | 78 kDa gastrin-binding protein | U04627.1 | 1 |
| 5160 SEOB3384 | AP-3 complex sigma3A subunit | U91932.1 | 1 |
| 5161 hfcr6634 | ARE1-like protein | AJ006026.1 | 1 |
| 5162 mioa9189 | ASIALOGLYCOPROTEIN RECEPTOR 2 (HEPATIC LECTIN 2) (MHL-2) (ASGP-R) (ASGPR)(52%ORF) | P24721 | 1 |
| 5163 miob1441 | ESR (EST84588 Colon adenocarcinoma IV cDNA 5') | AA372592.1 | 1 |
| 5164 FCR1308N | neuropilin-2 (a5) | AF022861 | 1 |
| 5165 MIOA2424a | son of sevenless 1 | Z11574 | 1 |
| 5166 ncr6925 | toll-like receptor3 (RefSeq aa 3e-41) | NP_003256.1 | 1 |
| 5167 MIOA6252a | trg (=AB028981 KIAA1058) | X68101 | 1 |
| 5168 ncrb0811 | UCC1 protein (UCC1 gene) | AJ250475.2 | 1 |
| 5169 SEOB1721 | 5-HT4 receptor gene | AJ243213.1 | 1 |
| 5170 FCR6396 | alpha 7 neuronal nicotinic receptor | AF029838 | 1 |
| 5171 FCR5779 | alpha-CP1 (=X78137 hnRNP-E1) | U24223 | 1 |
| 5172 SEOB1383 | alpha-globin transCRiption factor CP2 | M84810.1 | 1 |
| 5173 SEOB2090 | autocrine motility factor receptor (AMFR) | NM_001144.1 | 1 |
| 5174 SEOA0085 | beta-hydroxysteroid dehydrogenase 11 (HSD11) | M76661 | 1 |
| 5175 seob3886 | bradykinin receptor B2 (BDKRB2) | NM_000623.1 | 1 |
| 5176 ncr1876 | breast cancer nuclear receptor-binding auxiliary protein (BRX) | AF126008.1 | 1 |
| 5177 hfcr4457 | calcitonin receptor-like receptor activity modifying protein 2 (RAMP2) | NM_005854.1 | 1 |
| 5178 MIOA8987 | CD163 antigen (CD163) (=M130 antigen (cytosolic variant 2) | NM_004244.1 | 1 |
| 5179 MIOA3842 | CD33 differentiation antigen (CD33) | M23197 | 1 |
| 5180 FCR5681 | CD34 | M81104 | 1 |
| 5181 BFCW0008 | CD39L2 (CD39L2) | AF039916 | 1 |
| 5182 SOA0606 | CD3G antigen, gamma polypeptide (TiT3 complex) (CD3G) | X04145 | 1 |
| 5183 SEOA0534 | CD58 | Y14785 | 1 |

Figure 6A - Continued

| | | | |
|----------------|--|-------------|---|
| 5184 mioa7829a | CDA11 protein (CDA11), mRNA /cds=(25,918) /gb=NM_032026 /gi=14042942 /ug=Hs.11810 /len=1039 | Hs.11810 | 1 |
| 5185 ncr8290 | CHRM3 gene for muscarinic acetylcholine receptor m3 | AB041395.1 | 1 |
| 5186 hfc4497 | class I cytokine receptor (zcytor5) | AF178684.1 | 1 |
| 5187 SEOB0038 | colony stimulating factor 1 receptor (CSF1R) gene, exon 5 | M33210.1 | 1 |
| 5188 ncr1150 | CSF-1 receptor (FMS) gene (=KIAA0194) | U63963.1 | 1 |
| 5189 ncr0954 | CSF2RA=GM-CSF receptor alpha subunit | S48475.1 | 1 |
| 5190 SEOB0119 | endothelial protein C receptor | AB026584.2 | 1 |
| 5191 ncr3520 | endothelin receptor type A (EDNRA) | NM_001957.1 | 1 |
| 5192 ncr6776 | endothelin receptor type B-like protein | U87460.1 | 1 |
| 5193 MIOA2718a | epidermal growth factor repeat containing protein (=AL117610) | AF186084 | 1 |
| 5194 MIOA8539 | Epstein-Barr virus induced gene 2(lymphocyte-specific G protein-coupled receptor) (=EBI2) | NP_004942.1 | 1 |
| 5195 ncrb2013 | estrogen receptor gene, 5' partial (422 bp) | AJ002562.1 | 1 |
| 5196 ncr6197 | estrogen receptor-bindingfragment-associated gene 9 (RefSeq aa 9e-68) | NP_004206.1 | 1 |
| 5197 MIOB2814 | estrogen related receptor alpha (ESTRRA) pseudogene | U85258.1 | 1 |
| 5198 hfc1310 | estrogen-related receptor gamma (ESRRG) | NM_001438.1 | 1 |
| 5199 ncr6893 | Ewing sarcoma breakpoint region 1 (EWSR1), transcript variant EWS | NM_005243.1 | 1 |
| 5200 seob4555 | fibroblast growth factor receptor 2 (bacteria-expressed kinase, keratinocyte growth factor receptor, craniofacial dysostosis 1, Crouzon syndrome, Pfeiffer syndrome, Jackson-Weiss syndrome) (FGFR2) | NM_000141.1 | 1 |
| 5201 fcrb1807 | fibroblast growth factor receptor 3 (achondroplasia, thanatophoric dwarfism)(FGFR3) | XM_044120.1 | 1 |
| 5202 FCR2132 | fibroblast growth factor receptor(N-sam) | X66945 | 1 |
| 5203 ncr7351 | FYN-binding protein (FYB-120/130) (RefSeq aa 3e-38) | NP_001456.1 | 1 |
| 5204 ncr3288 | G protein-coupled receptor 30 (GPR30) | NM_001505.1 | 1 |
| 5205 ncr1029 | G protein-coupled receptor 48 (GPR48) | NM_018490.1 | 1 |
| 5206 MIOA0483 | G protein-coupled receptor Edg-2 | Y09479 | 1 |
| 5207 ncr6925 | G protein-coupled receptor kinase 5 (GPRK5) | NM_005308.1 | 1 |
| 5208 MIOA0840a | GABAA receptor subunit alpha4 | U30461 | 1 |
| 5209 seob5862 | gene for vitamin D receptor, exon 9 (=1,25-dihydroxyvitamin D3) receptor) | AB002168.1 | 1 |
| 5210 miob4186 | genes for vasopressin, oxytocin and a long interspersed repeated DNA element (LINE) | X59496.1 | 1 |
| 5211 ncr8751 | gephyrin (GPH) | NM_020806.1 | 1 |
| 5212 seob7877 | G-protein coupled receptor (SH120) | gi7706703 | 1 |
| 5213 seob7760 | G-protein-coupled receptor 48 (GPR48) | AF257182.1 | 1 |
| 5214 seob6104 | growth factor receptor bound protein 2 (Grb2) | NM_008163.1 | 1 |
| 5215 MIOA7317 | growth hormone receptor (contains Alu repeat) | X06562 | 1 |
| 5216 SEOB1879 | H1 histamine receptor | Z34897.1 | 1 |
| 5217 FCR1776 | Hin-2 (=U40396 steroid receptor coactivator SRC-1) | U19179 | 1 |
| 5218 SEOA2040 | histamine H1-receptor | D14436.1 | 1 |
| 5219 MIOA1794 | IL-1 receptor antagonist IL-1Ra (IL-1RN) | U65590 | 1 |
| 5220 MIOA0925a | IL-13 receptor | Y08768 | 1 |
| 5221 SEOA5151a | interferon alpha/beta receptor (IFNAR) gene, exon 11 and partial cds. | U06244 | 1 |
| 5222 ncr4454 | interferon, gamma-inducible protein 16 (IFI16) | NM_005531.1 | 1 |
| 5223 MIOA4944a | interferon,gamma-inducible protein 30 (IFI30)(ORF) =J03909 | NM_006332.1 | 1 |

Figure 6A - Continued

| | | | |
|----------------|--|-------------|---|
| 5224 mioa7709a | interleukin-1 receptor-associated kinase 1 (IRAK1), mRNA /cds=(79,2217) /gb=NM_001569 /gi=4755143 /ug=Hs.182018 /len=3583 | Hs.182018 | 1 |
| 5225 FCR4385 | interleukin-11 receptor | Z38102 | 1 |
| 5226 ncr3434 | interleukin-18 binding protein c precursor (IL18BP) | AF110801.1 | 1 |
| 5227 hfc0568 | laminin receptor precursor/p40 ribosome associated protein gene 37 kD (colin carcinoma laminin) | U43901.1 | 1 |
| 5228 miob1814 | leukemia inhibitory factor receptor (LIFR) | NM_002310.2 | 1 |
| 5229 ncr5039 | lymphatic vessel endothelial hyaluronan receptor 1 (LYVE-1) | NM_006691.1 | 1 |
| 5230 FCR7369 | M2-type pyruvate kinase | M23725 | 1 |
| 5231 ncrb4652 | m3 muscarinic acetylcholine receptor (CHRM3) gene | U29589.1 | 1 |
| 5232 hfc9022 | metabotropic glutamate receptor 6 (mGluR6) gene | U82083.1 | 1 |
| 5233 fCR1023 | mineralocorticoid receptor (=hMR) (low match) | M80582 | 1 |
| 5234 hfc1202 | natriuretic peptide precursor B (NPPB) | NM_002521.1 | 1 |
| 5235 hfc7508 | neurotrophic tyrosine kinase, receptor, type 2 (NTRK2) | NM_006180.1 | 1 |
| 5236 ncr8906 | NK receptor Ly-49L gene | AF126036.1 | 1 |
| 5237 seob5052 | NKG2D gene | AJ001689.1 | 1 |
| 5238 seob5319 | novel retinal pigment epithelial cell protein (NORPEG) (=KIAA1334) | AF155135.1 | 1 |
| 5239 ncr0045 | NRBF-2 nuclear receptor binding factor-2 | AB024930.1 | 1 |
| 5240 hfc8885 | nuclear receptor binding protein (NRBP) | NM_013392.1 | 1 |
| 5241 MIOB2686 | nuclear receptor interacting protein 1 (NRIP1) | gi4505454 | 1 |
| 5242 ncr9881 | nuclear receptor Rev-Erba-beta | U20796.1 | 1 |
| 5243 hfc5937 | nuclear receptor subfamily 1, group I, member 3 (NR1I3)=(orphan nuclear hormone receptor)=(similar to XIST, coding sequence) | NM_005122.1 | 1 |
| 5244 ncrb8700 | olfactory receptor (OR2D2) gene, partial cds | AF065876.1 | 1 |
| 5245 fcrb1162 | olfactory receptor (OR7-86) pseudogene | U86282 | 1 |
| 5246 MIOA8639 | olfactory receptor 17-93 (OR17-93) and olfactory receptor 17-201 (OR17-201) genes | U76377 | 1 |
| 5247 miob3120 | oncostatin M receptor (OSMR) | NM_003999.1 | 1 |
| 5248 SEOA9619 | osteoprotegrin ligand | AF053712 | 1 |
| 5249 fcrb1714 | outer membrane receptor Tom20 (TOM20) gene (=KIAA0016) | AF126962.1 | 1 |
| 5250 SEOA3910 | oxytocin receptor | X64878 | 1 |
| 5251 FCR0143 | oxytocinase splice variant 1 | U62768 | 1 |
| 5252 MIOA7209a | P2X7 | Y12853 | 1 |
| 5253 FCR1557 | p50B/p97 (Lyt-10) transCRiption factor | D16367 | 1 |
| 5254 hfc1141 | PAR protein (PAR) | NM_012389.1 | 1 |
| 5255 hfc1101 | peroxisome proliferative activated receptor delta (PPARD) gene, exon 9 and complete cds | AF246296S8 | 1 |
| 5256 miob6929 | peroxisome proliferative activated receptor, gamma, coactivator 1 (PPARGC1) | NM_013261.1 | 1 |
| 5257 SEOB2131 | peroxisome receptor 1 (PXR1) | NM_000319.1 | 1 |
| 5258 ncrb0624 | PEST-containing nuclear protein (pcnp) | NM_020357.1 | 1 |
| 5259 ncr3415 | photolyase, complete cds | D83702.1 | 1 |
| 5260 MIOA1137 | pilin-like transCRiption factor | AF122004.1 | 1 |
| 5261 hfc2796 | PNR gene | AJ276674.1 | 1 |
| 5262 seoa4988a | pro-oncosis receptor inducing membrane injury gene (PORIMIN), mRNA /cds=(216,785) /gb=NM_052932 /gi=16418408 /ug=Hs.172089 /len=3338 | Hs.172089 | 1 |
| 5263 mioa9273 | prostaglandin E2 receptor EP4 | AF177934 | 1 |
| 5264 miob0663 | putative G-protein coupled receptor RA1c | AAD12761.1 | 1 |
| 5265 ncrb7177 | receptor (calcitonin) activity modifying protein 3 (RAMP3) | NM_005856.1 | 1 |
| 5266 FCR1346 | receptor of retinoic acid (=M73779 PML-RAR protein (PML-RAR)) | X06614 | 1 |

Figure 6A - Continued

| | | | |
|----------------|---|-------------|---|
| 5267 seoa7876a | receptor tyrosine kinase-like orphan receptor 2 (ROR2), mRNA /cds=(199,3030) /gb=NM_004560 /gi=4758841 /ug=Hs.155585 /len=4092 | Hs.155585 | 1 |
| 5268 seob6395 | receptor tyrosine phosphatase gamma (PTPRG) gene, exon 30 and complete cds | U46116.1 | 1 |
| 5269 fcrb1582 | receptor-associated protein of the synapse, 43kD (RAPSN) | XM_037181.1 | 1 |
| 5270 MIOA6502a | regulator of G protein signaling (RGS5) | AF030108 | 1 |
| 5271 MIOA3679a | Rel domain-containing transCRiption factor NFAT5 (Nfat5) | AF162853.1 | 1 |
| 5272 SEOB0641a | RETINOIC ACID- AND INTERFERON-INDUCIBLE 58 KD PROTEIN (RI58) | spQ13325 | 1 |
| 5273 hfcr6579 | retinoic acid receptor gamma (RARG) | NM_000966.1 | 1 |
| 5274 seob4613 | retinoic acid receptor responder (tazarotene induced) 1 (RARRES1)= U27185.1 RAR-responsive (TIG1) | NM_002888.1 | 1 |
| 5275 SEOA4464a | retinoic acid receptor, beta (RARβ) =Y00291 hap mRNA encoding a DNA-binding hormone receptor | NM_000965.1 | 1 |
| 5276 SEOA4017a | retinoic acid-induced protein (RAI2) | AF136587.1 | 1 |
| 5277 miob2448 | retinoid x receptor interacting protein (LOC51720) | NM_016290.1 | 1 |
| 5278 ncr6604 | retinoid X receptor, alpha (RXRA) | NM_002957.2 | 1 |
| 5279 hfcr1826 | retinoid X receptor, gamma (RXRG) | NM_006917.1 | 1 |
| 5280 HFCR3220 | RS21-C6 (TdrG-TL1) | AF110764.1 | 1 |
| 5281 hfcr0016 | scg | D67015.1 | 1 |
| 5282 fcrb1299 | Sck, partial | AB001451 | 1 |
| 5283 ncrb3569 | secreted modular calcium-binding protein 2 (smoc2 gene) | AJ249902.1 | 1 |
| 5284 ncr65019 | sigma receptor (SR31747 binding protein 1) (SR-BP1) | NM_005866.1 | 1 |
| 5285 MIOA0059a | steroid receptor (TR2-11) | M29960 | 1 |
| 5286 hfcr9953 | steroid receptor RNA activator | AF092038.1 | 1 |
| 5287 ncr3123 | T41p (C8orf1) | AF061326.1 | 1 |
| 5288 ncr3684 | TAFII20 transcription factor TFIID(=TFIID subunits TAF20 and TAF15)(= subunit p22) | X84002.1 | 1 |
| 5289 hfcr9936 | transmembrane receptor protein | Z17227.1 | 1 |
| 5290 hfcr5719 | transportin-SR (TRN-SR) | AF145029.1 | 1 |
| 5291 MIOA1947a | TRHR gene promoter (low match) | AJ011701 | 1 |
| 5292 fCR0819 | V beta T-cell receptor (TCRBV) (low match) | U03115 | 1 |
| 5293 hfcr7856 | vanilloid receptor-like protein (VRL) | NM_016113.1 | 1 |
| 5294 hfcr3375 | vasoactive intestinal peptide receptor 1 (VIPR1) | NM_004624.1 | 1 |
| 5295 SEOA0396 | very low density lipoprotein receptor | D16532 | 1 |
| 5296 miob3937 | v-Ki-ras2 Kirsten rat sarcoma 2 viral oncogene homolog (KRAS2) | NM_004985.1 | 1 |
| 5297 ncrb6366 | v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog (KIT)(= c-kit gene)(= KIT proto-oncogene for mast/stem cell growth factor receptor, exon 21) | NM_000222.1 | 1 |
| 5298 fcrb1562 | benzodiazapine receptor (peripheral) (BZRP) | XM_040167.1 | 1 |
| 5299 FCR3957 | 14-3-3 epsilon | U54778 | 1 |
| 5300 FCR0608 | 14-3-3 protein beta subtype=putative protein kinase C regulatory protein | S55223 | 1 |
| 5301 hfcr0786 | 14-3-3 protein eta chain | D78577.1 | 1 |
| 5302 FCR2293 | 14-3-3 protein gamma subtype=putative protein kinase C regulatory protein | S55305 | 1 |
| 5303 FCR3001 | 14-3-3n protein (=D78577) | L20422 | 1 |
| 5304 SEOA3287 | 40 kDa protein kinase related to rat ERK2 | Z11695 | 1 |
| 5305 MIOA8767 | BIFUNCTIONAL 3'-PHOSPHOADENOSINE 5'-PHOSPHOSULFATE SYNTHETASE 1 (PAPS SYNTHETASE 1) (PAPSS 1) (SULFURYLASE KINASE 1) (SK1) (SK 1) | spO43252 | 1 |
| 5306 hfcr0370 | calcineurin B | M30773.1 | 1 |

Figure 6A - Continued

| | | | |
|----------------|---|-------------|---|
| 5307 FCR1989 | cAMP-dependent protein kinase regulatory subunit RI-beta | M65066 | 1 |
| 5308 hfcr3444 | CDC-like kinase 3 (CLK3) transcript variant phclk3 | NM_003992.1 | 1 |
| 5309 MIOA0753n | DCHT (=AF030403 Ste20-like protein kinase) | AF017635 | 1 |
| 5310 ncrb2166 | ILK-1 gene for integrin-linked kinase 1, exons 1-13 | AJ404847.1 | 1 |
| 5311 FCR0385 | JAB1-containing signalosome subunit 3 (SGN3) | AF031647 | 1 |
| 5312 mioa9294 | JNK2 beta2 protein kinase (JNK2B2) (ORF) | U35003.1 | 1 |
| 5313 hfcr4168 | MAP kinase-interacting serine/threonine kinase 1 (MKNK1) | NM_003684.1 | 1 |
| 5314 miob5888 | mitogen-activated protein kinase 5 (MAP4K5) | NM_006575.1 | 1 |
| 5315 ncrb2570 | mitogen-activated protein kinase 8 (MAPK8)(= kinase (JNK1)) | NM_002750.1 | 1 |
| 5316 ncr6170 | mitogen-activated protein kinase phosphatase x (MKPX) | NM_020185.1 | 1 |
| 5317 ncr2717 | mitogen-activated protein kinase-activated protein kinase 5 (RefSeq aa 3e-39) | NP_003659.1 | 1 |
| 5318 hfcr1418 | mitotic spindle coiled-coil related protein (DEEPEST) | NM_006461.1 | 1 |
| 5319 SEOA3387a | pim-1 oncogene | M16750 | 1 |
| 5320 FCR1207 | PKU-alpha | AB004884 | 1 |
| 5321 SEOB3076 | PKY protein kinase | AF004849.1 | 1 |
| 5322 FCR2704 | plk-1 (=U01038) | X73458 | 1 |
| 5323 ncrb0444 | protein kinase C delta-type | D10495.1 | 1 |
| 5324 FCR7178 | protein kinase C zeta | Z15108 | 1 |
| 5325 ncr1837 | protein kinase C, alpha (RefSeq aa 3e-31) | NP_002728.1 | 1 |
| 5326 mioa9935 | protein kinase C, nu (PRKCN) | NM_005813.2 | 1 |
| 5327 hfcr3622 | protein kinase CDK9(CDK9) gene | AF255306 | 1 |
| 5328 hfcr9461 | protein kinase Chk2 (RAD53) | NM_007194.1 | 1 |
| 5329 seob6432 | protein kinase C-theta (PRKCT) | L01087.1 | 1 |
| 5330 FCR6039 | protein kinase Dyrk2 | Y13493 | 1 |
| 5331 SEOA1689a | protein kinase inhibitor p58 | U28424 | 1 |
| 5332 MIOA5097a | protein kinase inhibitor(testicular isoform) (ORF). | L02241 | 1 |
| 5333 FCR4469 | PROTEIN MOV-10 | spP23249 | 1 |
| 5334 MIOB2067 | PROTEIN N-TERMINAL ASPARAGINE AMIDOHYDROLASE (PROTEIN NH2-TERMINAL ASPARAGINE DEAMIDASE) (NTN-AMIDASE) (PNAD) (PROTEIN NH2-TERMINAL ASPARAGINE AMIDOHYDROLASE) (PNAA) | spQ64311 | 1 |
| 5335 FCR0059n | PROTEIN OS-9 PRECURSOR (non-exact 48%) | spQ13438 | 1 |
| 5336 FCR3856 | protein tyrosine kinase t-Ror1 (Ror1) (=AF059524 reticulon gene family protein (RTN3)) | U38894 | 1 |
| 5337 hfcr1419 | rac protein kinase beta | M77198.1 | 1 |
| 5338 ncr6376 | Ser/Thr protein phosphatase type 2C beta 2 isoform | AF294792.1 | 1 |
| 5339 ncr1967 | serine racemase | AF169974.1 | 1 |
| 5340 hfcr6276 | serine/threonine protein kinase (HSA250839) | NM_018401.1 | 1 |
| 5341 CR0052 | serum inducible kinase (SNK) | M96163 | 1 |
| 5342 SEOA6118a | serum/glucocorticoid regulated kinase-like | gi7019527 | 1 |
| 5343 seob4270 | SFRS protein kinase 1 (SRPK1) | NM_003137.1 | 1 |
| 5344 ncrb1880 | SFRS protein kinase 2 (SRPK2) | NM_003138.1 | 1 |
| 5345 SEOA7587a | T2K protein kinase homologue | AF145705.1 | 1 |
| 5346 hfcr2237 | tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, epsilon polypeptide (YWHAE) | NM_006761.1 | 1 |
| 5347 hfcr7957 | tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, zeta polypeptide (YWHAZ) | NM_003406.1 | 1 |
| 5348 FCR7711 | tyrosyl-tRNA synthetase | U89436 | 1 |
| 5349 SEOA6695a | VRK2 | AB000450 | 1 |
| 5350 SEOA3811a | cGMP phosphodiesterase delta subunit | AF022912 | 1 |

Figure 6A - Continued

| | | | |
|----------------|---|-------------|---|
| 5351 MIOB2104 | cGMP-binding cGMP-specific phosphodiesterase (PDE5) | AB001633.1 | 1 |
| 5352 mioa9492 | cyclic AMP-regulated phosphoprotein (90% match) | AF112220.1 | 1 |
| 5353 FCR5176 | CYCLIC-AMP-DEPENDENT TRANSCRIPTION FACTOR ATF-4 (DNA-BINDING PROTEIN TAXREB67) (CREB2) | spP18848 | 1 |
| 5354 ncr0457 | Golgi membrane sialoglycoprotein MG160 (GLG1)(= cysteine-rich fibroblast growth factor receptor (CFR-1) mRNA) | U64791.1 | 1 |
| 5355 FCR2045 | breakpoint cluster region protein 2 (BCRG2) | AF044774 | 1 |
| 5356 ncr7088 | cAMP-regulated guanine nucleotide exchange factor II (CAMP-GEFII) | NM_007023.1 | 1 |
| 5357 hfcr8540 | dishevelled 2 (homologous to Drosophila dsh) (DVL2) | NM_004422.1 | 1 |
| 5358 ncr1681 | formin (Fmn) | NM_010230.1 | 1 |
| 5359 fcrb1359 | formin-binding protein 17 (FBP17) | AF265550.1 | 1 |
| 5360 seob5418 | GDP dissociation inhibitor 1 (GDI1) | NM_001493.1 | 1 |
| 5361 ncr4588 | GRB2-associated binding protein 1 (GAB1) | NM_002039.1 | 1 |
| 5362 SEOB0096 | GTPase Rab14 (LOC51730) (=DKFZp762K0911) | NM_016322.1 | 1 |
| 5363 SEOA1909 | GTPase-activating protein GAPIII | U20238 | 1 |
| 5364 ncr0144 | GTP-binding protein similar to RAY/RAB1C (RAYL), (ORF) | NM_006860.1 | 1 |
| 5365 SEOA1747a | guanine nucleotide exchange factor delta subunit (JGR1A) | M98036 | 1 |
| 5366 FCR6502 | guanine nucleotide exchange factor GRP1 (=A223957 ARNO3 protein) | AJ005197 | 1 |
| 5367 FCR0860 | guanine nucleotide regulatory protein (ABR) | U01147 | 1 |
| 5368 seob4424 | guanine nucleotide regulatory protein (oncogene) (NET1A) mRNA | NM_005863.1 | 1 |
| 5369 hfcr8772 | Intracellular hyaluronan-binding protein | AF241831.1 | 1 |
| 5370 CR0236 | mad protein homolog (hMAD-2) | U68018 | 1 |
| 5371 FCR2340 | MAD2 protein (=U31278) | AJ000186 | 1 |
| 5372 ncr0165 | Na /H exchanger 2 (A57644) (ORF) | D87743 | 1 |
| 5373 FCR6497 | Na /H exchanger regulatory factor 2 (NHERF-2) (=AF004900 NHE3 kinase A regulatory protein E3KARP) | AF035771 | 1 |
| 5374 miob0180 | N-acetylneuraminate lyase (EC 4.1.3.3)(Non-exact 35% identity) | CAA27051.1 | 1 |
| 5375 fcrb0130 | non-receptor tyrosine kinase (TNK1) gene, complete cds | AF097738 | 1 |
| 5376 ncrb6355 | partial RAB18 gene for RAS-related small GTPase RAB18, exons 4-6 | AJ277148.1 | 1 |
| 5377 SEOA6137a | phosphoprotein p53 | M22898 | 1 |
| 5378 hfcr1798 | Rab acceptor 1 (prenylated) (RABAC1) | NM_006423.1 | 1 |
| 5379 mioa9499 | RAB10 | XM_002267 | 1 |
| 5380 ncr0223 | RAB2, member RAS oncogene family (RAB2) (ORF) | NM_002865.1 | 1 |
| 5381 MIOA0820 | Rab27a (=AF154840.1 Ras-like GTP-binding protein (RAB27A)) | U38654.3 | 1 |
| 5382 hfcr1918 | RAB31, member RAS oncogene family (RAB31) | NM_006868.1 | 1 |
| 5383 HFCR9418 | RAB39 (RAB39) | AF322067 | 1 |
| 5384 seob5886 | RAB-8b protein (LOC51762),mRNA | NM_016530.1 | 1 |
| 5385 BFCN0133 | rah=ras-related homologue | S72304 | 1 |
| 5386 fcrb1018 | RalBP1 associated Eps domain containing protein (Reps1), mRNA | NM_009048.1 | 1 |
| 5387 FCR7009 | RalGDS-like 2 (RGL2) | U68142 | 1 |
| 5388 hfcr8663 | RAN binding protein 3 (RANBP3), transcript variant RANBP3-c | NM_007321.1 | 1 |
| 5389 FCR0779 | RAN-SPECIFIC GTPASE-ACTIVATING PROTEIN (RAN BINDING PROTEIN 1) (RANBP1) | spP43487 | 1 |

Figure 6A - Continued

| | | | |
|----------------|--|-------------|---|
| 5390 ncrb4428 | Ras association (RalGDS/AF-6) domain family 2 (RASSF2)(= KIAA0168) | NM_014737.1 | 1 |
| 5391 seob6669 | ras GTPase activating protein-like (NGAP) mRNA | NM_004841.1 | 1 |
| 5392 MIOA0247a | ras GTPase-activating-like protein (IQGAP1) (=D29640 KIAA0051) | L33075 | 1 |
| 5393 ncrb6844 | Ras homolog enriched in brain 2 (RHEB2) | NM_005614.1 | 1 |
| 5394 ncrb2586 | ras homolog gene family member A (ARHA)(= GTP-binding protein(rhoA)) | NM_001664.1 | 1 |
| 5395 seob7699 | RasGAP-related protein (IQGAP2) | U51903.1 | 1 |
| 5396 SEOA6711 | ras-like protein | M31467 | 1 |
| 5397 FCR7379 | ras-like protein (low match, 57% aa) | M31468 | 1 |
| 5398 MIOA6621a | ras-related protein (rab18) | L04966 | 1 |
| 5399 hfcr9603 | RAS-RELATED PROTEIN RAH1(AS-RELATED HOMOLOG) | spQ64008 | 1 |
| 5400 MIOA8102 | RAS-RELATED PROTEIN RAP-1A (C21KG)(KREV-1 PROTEIN) (GTP-BINDING PROTEIN SMG-P21A) (G-22K) | spP10113 | 1 |
| 5401 MIOA3361a | rho GDP-dissociation Inhibitor 1 | X69550 | 1 |
| 5402 ncrb2018 | Rho GTPase activating protein 6 isoform5 (RefSeq aa 3e-67) | NP_038266.1 | 1 |
| 5403 seob6856 | Rho-associated, coiled-coil containing protein kinase 2 (ROCK2) | NM_004850.2 | 1 |
| 5404 ncr9061 | SH3 and PX domain-containing protein SH3PX1 (SH3PX1) | NM_016224.1 | 1 |
| 5405 hfcr3592 | SH3 domain-containing protein 6511 (LOC51165)(ORF) | NM_016223.1 | 1 |
| 5406 hfcr8006 | SH3-containing adaptor molecule-1 | AF037261.1 | 1 |
| 5407 ncrb7483 | SH3-containing protein EEN (EEN) and chromatin assembly factor-I p150 subunit (CAF) genes | AF190465.1 | 1 |
| 5408 FCR4699 | signal transducer and activator of transCRiption 3 (acute-phase response factor) (STAT3) | L29277 | 1 |
| 5409 SEOA1460a | signal transducing adaptor molecule 2A (STAM2) | AF042273 | 1 |
| 5410 hfcr8450 | signal-induced proliferation-associated gene 1 (SIPA1) | NM_006747.1 | 1 |
| 5411 seob6601 | small GTP-binding protein RAB1A | AF226873.1 | 1 |
| 5412 MIOA3653a | Testin 2 (testin 3) | AF260225 | 1 |
| 5413 SEOA7417a | T-lymphoma invasion and metastasis inducing TIAM1 protein (TIAM1) | U16296 | 1 |
| 5414 ncrb1195 | transducer of ERBB2, 1 (RefSeq aa 2e-64) | NP_005740.1 | 1 |
| 5415 miob6640 | transducer of ERBB2, 2(TOB2) | NM_016272.1 | 1 |
| 5416 MIOA0474 | transducin (beta) like 1 protein | Y12781 | 1 |
| 5417 fcrb1441 | A kinase (PRKA) anchor protein 1 (AKAP1) | XM_008154.3 | 1 |
| 5418 hfcr2955 | ANG2 (ANG2) | AF024631.2 | 1 |
| 5419 seob5223 | angiopoietin-like 2 (ANGPTL2) | NM_012098.1 | 1 |
| 5420 BFCW0393 | Aspergillus nidulans sudD homologue | AF013591 | 1 |
| 5421 FCR3277 | BB1=malignant cell expression-enhanced gene/tumor progression-enhanced gene | gi1699264 | 1 |
| 5422 hfcr2642 | bone-derived growth factor (BPGF-1) | L42379.1 | 1 |
| 5423 ncrb4025 | EXT-like protein 2 (EXTL2) | AF000416.1 | 1 |
| 5424 mioa9666 | factor C=endotoxin-sensitive intracellular serine protease zymogen (clone CrFC26)[Carcinoscorpis rotundicauda=Singapore horseshoe crabs, blood, amoebocytes, Peptide, 1083 aa, 34%ORF] | S77064 | 1 |
| 5425 SEOA0407 | gliosarcoma-related antigen MIDA1 (MIDA1) | AF118853.1 | 1 |
| 5426 hfcr1302 | glycine amidinotransferase (L-arginine:glycine amidinotransferase) (GATM) | NM_001482.1 | 1 |
| 5427 ncrb3435 | insulin-like growth factor binding protein 6 (IGFBP6) mRNA, complete mature peptide | M69054.1 | 1 |
| 5428 ncr2581 | interferon-related developmental regulator 1 | NP_001541.1 | 1 |

Figure 6A - Continued

| | | | |
|----------------|---|-------------|---|
| 5429 FCR1724 | MAGE-Xp (non-exact 60%) (=M80840 Mouse necdin non-X82539 exact) | | 1 |
| 5430 MIOA3799 | non-erythrocyte beta spectrin | AF017112 | 1 |
| 5431 SEOA0449 | NOV protein | X96585 | 1 |
| 5432 FCR7095 | SKB1Hs | AF015913 | 1 |
| 5433 ncr4496 | angiopoietin-like factor (CTD6) | NM_021146.1 | 1 |
| 5434 FCR0893 | activin beta-C chain | X82540 | 1 |
| 5435 ncrb4349 | angiogenin ribonuclease RNase A family, 5 (ANG) | NM_001145.1 | 1 |
| 5436 ncrb2458 | bone morphogenetic protein 4 precursor(RefSeq aa 8e-38) | NP_001193.1 | 1 |
| 5437 hfcr9612 | bone morphogenetic protein 7 (osteogenic protein 1) (BMP7) (=OP-1) | NM_001719.1 | 1 |
| 5438 FCR1298 | bone morphogenetic protein1 (BMP1) (clone KT2) and alternatively spliced mammalian tolloid protein (mTld) | L35279 | 1 |
| 5439 SEOB0308 | CC-chemokine MCP-4 | AJ001634.1 | 1 |
| 5440 miob5771 | chemokine (C-X3-C) receptor 1 (CX3CR1) | NM_001337.1 | 1 |
| 5441 MIOA8705 | chemokine receptor X(CKRX) | AF014958 | 1 |
| 5442 FCR0459 | chimaeric transCRipt of collagen type 1 alpha 1 and platelet derived growth factor beta | Y15913 | 1 |
| 5443 ncr0238 | decidual protein induced by progesterone (DEPP) | NM_007021.1 | 1 |
| 5444 ncr5509 | developmental arteries and neural crest EGF-like protein mRNA (=fibulin-5) | AF112152.1 | 1 |
| 5445 MIOA8902 | developmental protein DG1071 | AAC67538.1 | 1 |
| 5446 ncr1687 | endocrine regulator (RefSeq aa 2e-88) | NP_055160.1 | 1 |
| 5447 SEOA0491 | enkephalin | K00489 | 1 |
| 5448 hfcr6336 | fibroblast growth factor 13 (FGF13) | NM_004114.1 | 1 |
| 5449 fcrb0979 | fibroblasts of periodontal ligament | AB019409 | 1 |
| 5450 SEOA6364 | glia maturation factor beta | M86492 | 1 |
| 5451 miob1789 | glia maturation factor homologous protein | AB001993.1 | 1 |
| 5452 SEOB0938 | gonadotropin-releasing hormone (=X01059) | X15215.1 | 1 |
| 5453 SEOB2156 | GRO3 oncogene (GRO3) | NM_002090.1 | 1 |
| 5454 SEOA3147 | growth factor-responsive protein, vascular smooth muscle (=U06713) | A53770 | 1 |
| 5455 ncr2172 | growth hormone secretagogue precursor (GHRELIN) gene, complete cds | AF296558.1 | 1 |
| 5456 SEOA6393 | growth inhibitor p33ING1 (ING1) | AF001954 | 1 |
| 5457 FCR2761 | heparin cofactor II (HCF2) | M58600 | 1 |
| 5458 hfcr1697 | heparin-binding growth factor binding protein (non-exact 25% a.a)(DNA sequence (chromosome 4, Accn. No. AC005598.6) | NP_005121.1 | 1 |
| 5459 SEOA2184a | insulin-like growth factor binding protein 5 | U02026 | 1 |
| 5460 BFCN0094 | insulin-like growth factor binding protein (IGFBP-2) (=M35410) | X16302 | 1 |
| 5461 hfcr1037 | interferon-induced leucine zipper protein (IFP35) mRNA, partial cds | U72882.1 | 1 |
| 5462 miob5434 | keratinocyte, normal | U33270.1 | 1 |
| 5463 SEOA7268a | mast cell growth factor (Mgf) | U44725 | 1 |
| 5464 SEOB0250 | monocyte seCRetory protein, JE (=S69738) | M28226.1 | 1 |
| 5465 seob7868 | NB thymosin beta | D82345.1 | 1 |
| 5466 MIOB2855 | neuroendoCRine seCRetory protein 55 | AF105253.1 | 1 |
| 5467 fcrb1721 | placental growth factor vascular endothelial growth factor-related protein (PGF) | XM_040405.1 | 1 |
| 5468 ncr5072 | prepro insulin-like growth factor-I (IGF-I) gene, exon 1 | M59812.1 | 1 |
| 5469 ncr4780 | preproadrenomedullin, complete cds (exon 1-4) | D43639.1 | 1 |
| 5470 miob0487 | schwannomin interacting protein 1 (SCHIP-1) | NM_014575.1 | 1 |
| 5471 SEOA2900a | seCRetory protein clone 1.1 (=D79993 KIAA0171) | U00157 | 1 |
| 5472 MIOA0884a | thymocyte protein cThy28kD (=AF161493 HSPC144) | U34350 | 1 |
| 5473 hfcr2933 | Transformation-related protein | AAA36776.1 | 1 |

Figure 6A - Continued

| | | | |
|----------------|---|-------------|---|
| 5474 FCR4795 | transformation-sensitive protein (IEF SSP 3521) | M86752 | 1 |
| 5475 FCR7065 | transforming acidic coiled-coil containing protein 3 (TACC3) | AF093543.1 | 1 |
| 5476 ncr5762 | transforming growth factor, alpha (TGFA) | NM_003236.1 | 1 |
| 5477 SEOA0770 | transforming growth factor-beta type I receptor | AF035669 | 1 |
| 5478 FCR1833 | TRANSFORMING PROTEIN P21/H-RAS-1 (C-H-RAS) | spP01112 | 1 |
| 5479 hfcr3928 | TRK-fused gene (NOTE: non-standard symbol and name) (TFG) (ORF) | NM_006070.1 | 1 |
| 5480 ncrb3341 | uncharacterized bone marrow protein BM028 (=chord domain-containing protein 1 (CHP1)) | AF217505.1 | 1 |
| 5481 seob2555 | uncharacterized bone marrow protein BM029 (BM029) | NM_018450.1 | 1 |
| 5482 SEOB0261 | uncharacterized bone marrow protein BM031 | AF217508.1 | 1 |
| 5483 SEOB2810 | uncharacterized bone marrow protein BM033 | AF217510.1 | 1 |
| 5484 miob3354 | uncharacterized bone marrow protein BM044 | AF217520.1 | 1 |
| 5485 miob3308 | uncharacterized hypothalamus protein HT010 (HT010) | NM_018471.1 | 1 |
| 5486 ncrb2151 | vascular endothelial growth factor C (RefSeq aa 6e-31) | NP_005420.1 | 1 |
| 5487 ncr3837 | vascular endothelial junction-associated molecule | AF255910.1 | 1 |
| 5488 fcrb1428 | vascular Rab-GAP/TBC-containing (VRP) | XM_010826.2 | 1 |
| 5489 ncrb4957 | WNT1 inducible signalling pathway protein 2 (WISP2) | NM_003881.1 | 1 |
| 5490 hfcr8567 | adenylyl cyclase | AF070583.1 | 1 |
| 5491 FCR1828 | adenylyl cyclase type V (=AB007882 hypothetical protein (KIAA0422)) | M96159 | 1 |
| 5492 FCR0837N | bone gamma-carboxyglutamate (gla) protein (osteocalcin) (BGLAP) | X51699 | 1 |
| 5493 SEOA7517a | motch B | X68279 | 1 |
| 5494 SEOB1175 | NAALADase II protein | AJ012370.1 | 1 |
| 5495 SEOA5992a | adenylate cyclase 7 (ADCY7) (=D25538 KIAA0037) | gi4557254 | 1 |
| 5496 hfcr6322 | adenylate cyclase activating polypeptide 1 (pituitary) receptor type I (ADCYAP1R1) | NM_001118.1 | 1 |
| 5497 MIOA2560a | ADP-ribosylation factor | L38490 | 1 |
| 5498 fcr0077 | ADP-ribosylation factor (hARF5) | M57567 | 1 |
| 5499 ncr4572 | ADP-ribosylation factor 3 (ARF3) | NM_001659.1 | 1 |
| 5500 hfcr9998 | ADP-ribosylation factor binding protein (GGA1) | AF190862.1 | 1 |
| 5501 mioa7773a | ADP-ribosylation factor GTPase activating protein 1, clone MGC:10272 IMAGE:3938853, mRNA, complete cds | BC005122.1 | 1 |
| 5502 ncr8041 | ADP-ribosylation factor-like 5 (ARL5), mRNA | NM_012097.1 | 1 |
| 5503 fcrb2534 | ADP-ribosylation factor-like 6 interacting protein (ARL6IP), mRNA | XM_027365.2 | 1 |
| 5504 SEOA3989a | alpha-catenin-like protein (CTNNAL1) | AF030233 | 1 |
| 5505 seoa8146 | ARP1 (actin-related protein 1, yeast) homolog A (centractin alpha) (ACTR1A), mRNA | XM_031949.1 | 1 |
| 5506 miob1007 | beta-arrestin 2(=ARRB2) | AF106941.1 | 1 |
| 5507 ncr2862 | Ca/calmodulin-dependent protein kinase II, delta subunit (Camk2d) | NM_012519.1 | 1 |
| 5508 seob3653 | Ca2 -transporting ATPase (EC 3.6.1.38), fast skeletal muscle sarcoplasmic reticulum - edible frog (ORF) | S24359 | 1 |
| 5509 hfcr1055 | calcium/calmodulin-dependent protein kinase I (CAMK1) (ORF) | NM_003656.2 | 1 |
| 5510 MIOA4782a | CALCIUM-BINDING PROTEIN E63-1=U25882(ORF) | P48593 | 1 |
| 5511 seob5379 | calcium-independent alpha-latrotoxin receptor homolog 2 (CIRL-2) mRNA, complete cds | AF063102 | 1 |
| 5512 ncr4416 | catenin (cadherin-associated protein), beta 1 (CTNNB1) | NM_001904.1 | 1 |

Figure 6A - Continued

| | | | |
|----------------|--|-------------|---|
| 5513 ncrb6530 | catenin(cadherin-associated protein), delta 1 (CTNND1)(= p120 catenin isoform 1ABC (CTNND1)) | NM_001331.1 | 1 |
| 5514 FCR6524 | collapsin response mediator protein CRMP-1 (=D78012) | U17278 | 1 |
| 5515 hfcR5220 | ECSIT (LOC51295) | NM_016581.1 | 1 |
| 5516 hfcR4148 | Gi3 alpha protein | X54048.1 | 1 |
| 5517 miob6910 | grancalcin (GCL) | NM_012198.1 | 1 |
| 5518 MIOA4677 | guanyl cyclase C gene | U20230 | 1 |
| 5519 FCR3323 | homer-2a | AF093263 | 1 |
| 5520 hfcR1816 | indian hedgehog protein (IHH) | L38517.1 | 1 |
| 5521 hfcR0478 | max gene | X66867.1 | 1 |
| 5522 MIOA7069a | NAD ADP-ribosyltransferase 3 (ADPRT3) | AF085734.1 | 1 |
| 5523 mioa9966 | nuclear receptor subfamily 2, group C, member 1 (NR2C1), = M29960.1 steroid receptor (TR2-11) | NM_003297.1 | 1 |
| 5524 SEOA9165 | SAR1 (SAR1) | AF261717 | 1 |
| 5525 BFCS0319 | soluble guanylate cyclase small subunit | X66533 | 1 |
| 5526 miob5647 | terminal transferase | M11722.1 | 1 |
| 5527 SEOA1902 | TIRC7 protein (TCIRG1) | AF033033.2 | 1 |
| 5528 SEOA4598 | TNF receptor-1 associated protein (TRADD) | L41690 | 1 |
| 5529 hfcR8608 | TNF receptor-associated factor 1 (TRAF1) | NM_005658.1 | 1 |
| 5530 hfcR6998 | TNF-alpha stimulated ABC protein (ABC50) | AF027302.1 | 1 |
| 5531 hfcR9565 | TNF-receptor associated factor-3 (TRAF-3) | AF110908.1 | 1 |
| 5532 SEOB1801 | TOK-1beta | AB040451.1 | 1 |
| 5533 MIOA8439 | vitamin D3 receptor interacting protein (DRIP80) | AF105421.1 | 1 |
| 5534 hfcR0594 | inner membrane protein mitochondrial (mitofilin) (IMMT),(= p87/89 gene)=(motor protein) | gi5803114 | 1 |
| 5535 ncrb0462 | thiamine transporter 1 (THT1) | AF160812.1 | 1 |
| 5536 miob3944 | ABC transporter (ATM1) | AF078777.1 | 1 |
| 5537 FCR6944 | calcium activated neutral protease large subunit (muCANP, calpain, EC 3.4.22.17) | X04366 | 1 |
| 5538 ncr6874 | calcium transport ATPase ATP2C1 (ATP2C1) | AF225981.1 | 1 |
| 5539 MIOA6483a | calcium-activated potassium channel | U093833 | 1 |
| 5540 MIOA0304 | channel-kinase 1 (CHAK1) | AF346629 | 1 |
| 5541 FCR1225N | chloride channel 3 (CLCN3) | X78520 | 1 |
| 5542 SEOA8839 | chloride channel protein 4 | AB019432.1 | 1 |
| 5543 MIOA3492a | chloride channel regulatory protein | U17899 | 1 |
| 5544 miob0420 | connexin 26 (GJB2) | M86849.2 | 1 |
| 5545 hfcR6043 | Creatine transporter (SLC6A8) and (CDM) paralogous genes, (=accessory protein BAP31/BAP29) | gi1401058 | 1 |
| 5546 SEOB1158 | dopamine responsive protein DRG-1 | AF271994.1 | 1 |
| 5547 ncr5975 | familial intrahepatic cholestasis 1, (progressive, Byler disease and benign recurrent) (RefSeq aa 3e-91) | NP_005594.1 | 1 |
| 5548 FCR0300 | gamma-aminobutyraldehyde dehydrogenase (=U50203 aldehyde dehydrogenase E3') | U34252 | 1 |
| 5549 miob3968 | gamma-aminobutyric acid (GABA) A receptor, alpha 4 (GABRA4) | NM_000809.1 | 1 |
| 5550 hfcR3391 | gamma-aminobutyric acid (GABA) B receptor, 1 (GABBR1) | NM_001471.1 | 1 |
| 5551 seoa8040 | glycoprotein (transmembrane) nmb (GPNMB), mRNA /cds=(91,1773) /gb=Nm_002510 /gi=4505404 /ug=Hs.82226 /len=2669 | Hs.82226 | 1 |
| 5552 fcrb1892 | hemoglobin, alpha 1 (HBA1) | NM_000558.3 | 1 |
| 5553 fcrb2704 | hemoglobin, alpha 2 (HBA2), | NM_000517.3 | 1 |
| 5554 ncr6005 | large conductance calcium- and voltage-dependent potassium channel alpha subunit (MaxiK) mRNA, complete cds | U11058.2 | 1 |
| 5555 FCR0553 | L-type calcium channel beta-1 subunit (CACNLB1) (=M92303 voltage-dependent calcium channel beta-1) | U39412 | 1 |
| 5556 ncr3527 | Machado-Joseph disease (MJD) | NM_004993.1 | 1 |

Figure 6A - Continued

| | | | |
|----------------|---|-------------|---|
| 5557 ncr2083 | membrane-bound aminopeptidase P (XNPEP2) gene | AF195953.1 | 1 |
| 5558 MIOA8939 | minK-related peptide 3 | AF076533.1 | 1 |
| 5559 MIOA2167a | OCTN2 | AB016625.1 | 1 |
| 5560 seob7123 | PALS1 | AF199008 | 1 |
| 5561 seob7758 | potassium channel subunit (=AB037843 KIAA1422) | AF089730 | 1 |
| 5562 ncr5485 | potassium large conductancecalcium-activated channel, subfamily M, alpha member 1 2e-54 | NP_002238.1 | 1 |
| 5563 seob7444 | potassium voltage-gated channel, shaker-related subfamily, beta member 1,(KCNAB1) | NM_003471.1 | 1 |
| 5564 fCR0087 | proton pump polypeptide | M58758 | 1 |
| 5565 mioa9604 | SODIUM/HYDROGEN EXCHANGER 6 (NA()/H() EXCHANGER 6) (NHE-6) (KIAA0267) | Q92581NAH6 | 1 |
| 5566 FCR5879 | TRPC1 protein | X89066 | 1 |
| 5567 miob2533 | VDAC1 gene porin isoform 1 | AJ250039.1 | 1 |
| 5568 miob5012 | voltage-gated potassium channel KCNQ5 (KCNQ5) | AF263835.1 | 1 |
| 5569 fcrb0332 | cell surface glycoprotein P1H12 precursor | AF089868.1 | 1 |
| 5570 MIOA8973 | killer cell lectin-like receptor subfamily B, member 1 (KLRB1) (=hNKR-P1a protein (NKR-P1A)) | NM_002258.1 | 1 |
| 5571 FCR7419 | METAXIN | spQ13505 | 1 |
| 5572 FCR5378 | beta 2 | X02344 | 1 |
| 5573 FCR2180N | beta4-integrin (ITGB4) (low match) | U66534 | 1 |
| 5574 miob6442 | cadherin 5, VE-cadherin (vascular epithelium) (CDH5) | NM_001795.1 | 1 |
| 5575 FCR0440 | cadherin-15 | D83542 | 1 |
| 5576 MIOA7403a | cerebral cell adhesion molecule (=AB011156 KIAA0584) (75% aa) | AF177203.1 | 1 |
| 5577 MIOA6484a | c-type lectin DCL1 (ORF) | AF121352 | 1 |
| 5578 SEOA2442a | cysLT1 LTD4 receptor (CYSLT1) | AF119711.1 | 1 |
| 5579 ncr7839 | desmoplakin (DPI, DPII) (RefSeq aa 1e-88) | NP_004406.1 | 1 |
| 5580 hfcr2732 | flotillin 1 (FLOT1) | NM_005803.2 | 1 |
| 5581 ncr7570 | focal adhesion kinase (FAK) | L13616.1 | 1 |
| 5582 SEOB0650a | fucosyltransferase 8 (alpha (1,6)fucosyltransferase) | NP_004471.1 | 1 |
| 5583 MIOA6717a | GPI transamidase | AF022913 | 1 |
| 5584 FCR0224 | hGAA1 | AB006969 | 1 |
| 5585 hfcr1284 | ICHIT protein (52/53) | AJ010903.1 | 1 |
| 5586 hfcr2820 | insulin-like growth factor binding protein 4 (IGFBP4) | M62403.1 | 1 |
| 5587 MIOA3469a | integrin alpha 6 | X53586 | 1 |
| 5588 miob0681 | integrin associated protein | Z25524.1 | 1 |
| 5589 ncr0912 | integrin beta 3 binding protein (beta3-endonexin) (ITGB3BP), (=nuclear receptor co-activator NRIF3 (NRIF3)) | NM_014288.1 | 1 |
| 5590 SEOB1144 | INTEGRIN BETA-8 PRECURSOR | spP26012 | 1 |
| 5591 hfcr4488 | integrin, alpha 5 (fibronectin receptor, alpha polypeptide) (ITGA5) | NM_002205.1 | 1 |
| 5592 fcrb1697 | junctional adhesion molecule 3 (JAM3) | XM_053514.1 | 1 |
| 5593 ncrc6620 | N-cadherin mRNA, complete cds | M34064.1 | 1 |
| 5594 hfcr2275 | nel (chicken)-like 2 (NELL2) | NM_006159.1 | 1 |
| 5595 hfcr0412 | neural cell adhesion molecule | X07200.1 | 1 |
| 5596 FCR1421N | neural F box protein NFB42 | AF098301 | 1 |
| 5597 hfcr8252 | ninjurin 2 (NINJ2) | NM_016533.1 | 1 |
| 5598 ncrc1368 | novel protein AHNAK mRNA, partial sequence | M80899.1 | 1 |
| 5599 MIOA3588a | p55-related MAGUK protein DLG3 (dlg3) | AF124435.1 | 1 |
| 5600 seob6797 | PCDH-psi3 pseudogene | AF152529.1 | 1 |
| 5601 MIOB2687 | PNGase | AF250924.1 | 1 |
| 5602 hfcr4046 | polycystic kidney disease 1(autosomal dominant) (PKD1) | NM_000296.1 | 1 |
| 5603 hfcr7101 | Semaphorin A (V)(SEMA5) | NM_004636.1 | 1 |
| 5604 BFCW0401 | semaphorin V | U28369 | 1 |
| 5605 FCR6016 | syntaxin 5 | U26648 | 1 |
| 5606 SEOA4296a | syntaxin4-interacting protein synip (ORF) | AF152924 | 1 |

Figure 6A - Continued

| | | | |
|----------------|---|-------------|---|
| 5607 BFCW0288 | SYT | X79201 | 1 |
| 5608 MIOA0218a | thrombomodulin, endothelial cell | M16552 | 1 |
| 5609 hfcr9352 | TRAF interacting protein (TRIP) | NM_005879.1 | 1 |
| 5610 seob8021 | TRAF5 | AB000509.1 | 1 |
| 5611 ncr2472 | TRAF-interacting protein I-TRAF | U59863.1 | 1 |
| 5612 ncr0240 | triple functional domain(PTPRF interacting) (TRIO)(ORF) | NM_007118.1 | 1 |
| 5613 FCR0503 | Tspan-3 | AF054840 | 1 |
| 5614 ncr7239 | Nop10p | NM_018648.1 | 1 |
| 5615 fcrb1917 | chromodomain helicase DNA binding protein 3 (CHD3) | NM_001272.1 | 1 |
| 5616 FCR3274 | chromosomal protein HMG1 related gene | D14718 | 1 |
| 5617 hfcr9975 | chromosome-specific mRNA | L23207.1 | 1 |
| 5618 miob6717 | cisplatin resistance associated (CRA) | NM_006697.1 | 1 |
| 5619 hfcr9188 | H1 histone (H1F0) | NM_005318.1 | 1 |
| 5620 ncr7312 | H2A histone family, member Y (H2AFY)(= histone macroH2A1.2) | NM_004893.1 | 1 |
| 5621 hfcr6965 | H2B histone family, member Q (H2BFQ) | NM_003528.1 | 1 |
| 5622 ncrb1923 | heterochromatin protein homologue (HP1) | L07515.1 | 1 |
| 5623 SEOA1419a | heterochromatin protein p25 | U35451 | 1 |
| 5624 MIOA7408a | high mobility group 1 protein | L13804 | 1 |
| 5625 seob5574 | high mobility group 1-like protein L6 (HMG1L6) retropseudogene sequence | AF076678.1 | 1 |
| 5626 FCR3032 | high mobility group box (SSRP1) | M86737 | 1 |
| 5627 FCR7542 | high mobility group HMGIC/NFIB fusion protein (HMGIC/NFIB) | AF022215 | 1 |
| 5628 miob5699 | high mobility group-box containing protein 1 (HBP1) | NM_012257.1 | 1 |
| 5629 MIOA6807a | highly charged protein (D13S106E) (=X59131) | gi5031648 | 1 |
| 5630 fcrb2013 | high-mobility group (nonhistone chromosomal) protein 1 (HMG1) | XM_028234.1 | 1 |
| 5631 FCR6924 | high-mobility group phosphoprotein (HMG1-C) | L41044 | 1 |
| 5632 hfcr0858 | high-mobility group phosphoprotein isoform I-C (HMGIC) gene | U28754.1 | 1 |
| 5633 miob5646 | histone acetylase complex subunit (SPT3) | AF073930.1 | 1 |
| 5634 FCR0833 | histone H2A.X. | X14850 | 1 |
| 5635 SEOA9729 | hp1-gamma+D2192 Heterochromatin protein 1 gamma | AB030905 | 1 |
| 5636 ncr7189 | importin beta subunit | L38951.1 | 1 |
| 5637 FCR0508 | Nap1 protein (=AB011159 hypothetical protein (KIAA0587)) | D84346 | 1 |
| 5638 hfcr4446 | non-histone chromosomal protein (NHC) | U90549.1 | 1 |
| 5639 FCR4471 | nonhistone protein HMG1 | M21683 | 1 |
| 5640 FCR6412 | nucleosome assembly protein 2 | U77456 | 1 |
| 5641 fcrb1095 | PDNA sequence AC clone 219d7, | AF225899 | 1 |
| 5642 seoa7966 | pericentriolar material 1 (PCM1), mRNA /cds=(409,6483) /gb=NM_006197 /gi=5453855 /ug=Hs.75737 /len=6577 | Hs.75737 | 1 |
| 5643 FCR5019 | RecQ4 DNA helicase | AB006532 | 1 |
| 5644 seob4224 | RPA interacting protein alpha (44% ORF) | CAB45690.1 | 1 |
| 5645 ncr7211 | RTS gene | AF305057.1 | 1 |
| 5646 hfcr6199 | RuvB (E coli homolog)-like 2(RUVBL2) (=erythrocyte cytosolic protein) | NM_006666.1 | 1 |
| 5647 SEOB1744 | telomeric repeat binding factor 2 (TERF2) | NM_005652.1 | 1 |
| 5648 fcrb1990 | TERF1 (TRF1)-interacting nuclear factor 2 (TINF2) | XM_033252.1 | 1 |
| 5649 hfcr9787 | TRF2-interacting telomeric RAP1 protein (RAP1) mRNA, complete cds | AF262988.1 | 1 |
| 5650 FCR3418 | 34 kDa Mov34 homolog | U70735 | 1 |
| 5651 MIOB2564 | BTG family, member 3 (BTG3) | 5802989 | 1 |
| 5652 ncr1687 | cdk inhibitor p27KIP1 | AY004255.1 | 1 |

Figure 6A - Continued

| | | | |
|----------------|---|-------------|---|
| 5653 SEOB0084 | MD-2 protein (MD-2) | NM_015364.1 | 1 |
| 5654 miob3371 | M-phase phosphoprotein 4 (MMP4) | NM_012218.1 | 1 |
| 5655 SEOA2633 | OM-1 | X67534 | 1 |
| 5656 FCR3201 | 200 kD protein | X80169 | 1 |
| 5657 seob4467 | 5-azacytidine induced gene 2 (Azi2) | NM_013727.1 | 1 |
| 5658 MIOA1097 | BM-006 | AF208848 | 1 |
| 5659 ncr8413 | BM-008 | AF208850 | 1 |
| 5660 ncr4227 | BM-017 (=ALEX3) | AF208859.1 | 1 |
| 5661 ncr0139 | BM022 mRNA | AF212225.1 | 1 |
| 5662 SEOB3556 | CDC23 (cell division cycle 23, yeast, homolog) (CDC23) | NM_004661.1 | 1 |
| 5663 BFCS0266 | CDC37 homologue | U43077 | 1 |
| 5664 SEOA8684 | Cdc7 (CDC7) | AF015592.1 | 1 |
| 5665 FCR4582 | cdk-inhibitor p57/KIP2 (CDKN1C) (=U22398) | U48869 | 1 |
| 5666 seob5395 | cell cycle gene RCC1 | X12654.1 | 1 |
| 5667 SEOA3895 | clk1 | L29219 | 1 |
| 5668 hfcr5147 | cycA gene for cyclin A | X68303.1 | 1 |
| 5669 FCR6881 | cyclin B | M25753 | 1 |
| 5670 miob2473 | cyclin C (CCNC) | NM_005190.2 | 1 |
| 5671 MIOA4721 | cyclin G1 interacting protein | U61837 | 1 |
| 5672 seob5942 | cyclin H (CCNH) mRNA | NM_001239.1 | 1 |
| 5673 ncr6343 | cyclin K (RefSeq aa 5e-62) | NP_003849.1 | 1 |
| 5674 ncr6745 | cyclin T1 (RefSeq aa 7e-75) | NP_001231.1 | 1 |
| 5675 hfcr0723 | cyclin T2 (CCNT2) | NM_001241.1 | 1 |
| 5676 hfcr8598 | Cyclin-dependent kinase (CDC2-like) 10 (CDK10)(non-exact match, possibly novel) | NM_003674.1 | 1 |
| 5677 SEOA2004 | CYCLIN-DEPENDENT KINASES REGULATORY SUBUNIT 1 (CKS-1) | spP33551 | 1 |
| 5678 SEOA7296a | D-type cyclin-interacting protein 1 (DIP1) | AF082569 | 1 |
| 5679 hfcr8765 | enhancer of zeste (Drosophila) homolog 2 (EZH2) | NM_004456.1 | 1 |
| 5680 hfcr2250 | Fanconi anemia, complementation group G (FANCG) | NM_004629.1 | 1 |
| 5681 ncrb3020 | GANP protein (=KIAA0572 protein) | AJ010089.1 | 1 |
| 5682 SEOB1834 | geminin | AF067855.1 | 1 |
| 5683 SEOA8605 | GTP binding protein similar to S. cerevisiae HBS1 (HBS1) (=eRFS) (=KIAA1038) | NM_006620.1 | 1 |
| 5684 MIOA1674a | GTP-binding protein | Z49068 | 1 |
| 5685 FCR3772 | GTP-binding protein (RAB4) | M28211 | 1 |
| 5686 FCR6577 | GTP-binding protein (rhoB) | AF098515 | 1 |
| 5687 FCR0288 | GTP-binding protein (rhoC) (=X05026;L09159) | L25080 | 1 |
| 5688 miob3175 | GTP-binding protein alpha q subunit (GNAQ) mRNA, complete cds | U40038.1 | 1 |
| 5689 SEOA4246a | GTP-binding protein NGB | AF120334 | 1 |
| 5690 MIOA4792a | GTP-binding protein rah | AF058807 | 1 |
| 5691 ncr1510 | HARP (HARP) gene | AF210835.1 | 1 |
| 5692 FCR0604 | HsGAK | D88435 | 1 |
| 5693 hfcr8947 | lodestar protein | AF080255.1 | 1 |
| 5694 MIOA6811a | Mig-6=mitogen-inducible gene mig-6 product | gi1037127 | 1 |
| 5695 miob1811 | minichromosome maintenance deficient (mis5, S. pombe) 6 (MCM6) | NM_005915.2 | 1 |
| 5696 FCR4380 | Miz-1 protein | Y09723 | 1 |
| 5697 MIOA1025 | myeloid differentiation primary response protein MyD88 | U70451 | 1 |
| 5698 ncrb5735 | NIMA (never in mitosis gene a)-related kinase 6 (NEK6) | NM_014397.1 | 1 |
| 5699 SEOB1737 | nucleolar protein p40 | AAB46731.1 | 1 |
| 5700 seob6550 | nucleolin (NCL) (=FLJ20214 fis) | NM_005381.1 | 1 |
| 5701 MIOA2447a | p85Mcm (=D55716 P1cdc47; D28480 hMCM2) | X74796 | 1 |
| 5702 FCR3143 | PRAD1 cyclin | X59798 | 1 |

Figure 6A - Continued

| | | | |
|----------------|---|-------------|---|
| 5703 hfc3514 | Pseudoautosomal GTP-binding protein-like (PGPL)(ORF)= Y14391.2 | NM_012227.1 | 1 |
| 5704 FCR4444 | RhoE=26 kda GTPase homolog | S82240 | 1 |
| 5705 ncr9774 | topoisomerase II alpha-4 (AF285159) | AAG13405.1 | 1 |
| 5706 SEOB0944 | Fas-associated factor, FAF1 (Faf1 gene) | AJ271408.1 | 1 |
| 5707 ncr4771 | neuronal thread protein AD7c-NTP | NP_055301.1 | 1 |
| 5708 MIOA7544a | neutral sphingomyelinase (N-SMase) activation associated factor (NSMAF) (=X96586 FAN protein) | gi4505464 | 1 |
| 5709 SEOA4601a | Newcastle disease virus inducible protein | U25276 | 1 |
| 5710 hfc5860 | APG5 (autophagy 5, S.cerevisiae)-like (APG5L) =(apoptosis specific protein) | NM_004849.1 | 1 |
| 5711 miob0782 | apoptosis inhibitor 1 (API1) | NM_001166.1 | 1 |
| 5712 hfc3633 | apoptosis inhibitor survivin gene, complete cds | U75285.1 | 1 |
| 5713 SEOB0514 | apoptosis related protein APR-3 | AF144055.2 | 1 |
| 5714 ncrb1084 | apoptosis-associated nuclear protein (PHLDA1) gene | AF239986.1 | 1 |
| 5715 ncr9826 | Baculoviral IAP repeat-containing 3 (BIRC3)(=inhibitor of apoptosis protein-1 (MIHC) | NM_001165.2 | 1 |
| 5716 MIOA0466 | Bcl-2-binding protein (BAG-1) | AF022224 | 1 |
| 5717 ncrb0273 | bridging integrator protein-1 (BIN1) gene | U84000.1 | 1 |
| 5718 hfc9438 | caspase 3, apoptosis-related cysteine protease (CASP3) | NM_004346.1 | 1 |
| 5719 ncrb4538 | caspase 6, apoptosis-related cysteine protease | XP_003600.1 | 1 |
| 5720 FCR4834 | cell death suppressor (WA1) (=AF049672) | AF000267 | 1 |
| 5721 MIOA4542a | cell recognition molecule Caspr2 (=AB020675 KIAA0868) (60% aa) | AF193613 | 1 |
| 5722 miob1318 | death-associated protein kinase 1 (DAPK1) | NM_004938.1 | 1 |
| 5723 MIOA1955a | DRAK1 | AB011420 | 1 |
| 5724 seoa7699a | dual specificity phosphatase 6, clone MGC:3789 IMAGE:2906126, mRNA, complete cds | BC003143.1 | 1 |
| 5725 FCR5618 | DUSP6 (=X93920 protein-tyrosine-phosphatase) | AB013382.1 | 1 |
| 5726 MIOA7247a | ES18 | AF083930 | 1 |
| 5727 MIOA2152 | Fas-apoptosis inhibitory molecule (Faim) | AF130367.1 | 1 |
| 5728 SEOB0418 | neuronal apoptosis inhibitory protein 6 (Naip6); Naip3 | AF242431.1 | 1 |
| 5729 miob0399 | neuronal cell death-related protein (LOC51616), mRNA | NM_015975.1 | 1 |
| 5730 fCR0925 | neurotrophin-3 (NT-3) | M37763 | 1 |
| 5731 hfc9643 | programmed cell death 5(PDCD5),(= TFAR1) Length = 559 | NM_004708.1 | 1 |
| 5732 SEOA9724 | programmed cell death 9 (PDCD9) (ORF) | AF146192 | 1 |
| 5733 SEOB1323 | RIP protein kinase | U50062.1 | 1 |
| 5734 MIOA5889a | seCReted apoptosis related protein 1 (Sarp1) | AF017989 | 1 |
| 5735 hfc3647 | Siva-2 (ORF) | AF033111 | 1 |
| 5736 ncr3568 | Kin17 protein | AJ005273.1 | 1 |
| 5737 FCR3584 | MSSP | D82352 | 1 |
| 5738 ncr1175 | ATP-DEPENDENT DNA HELICASE II, 80 KDA SUBUNIT (LUPUS KU AUTOANTIGEN PROTEIN P86) (KU86)(KU80) (86 KDA SUBUNIT OF KU ANTIGEN) (THYROID-LUPUS AUTOANTIGEN) (TLAA) (CTC BOX BINDING FACTOR 85 KDA SUBUNIT) (CTCBF) (CTC85) (NUCLEAR FACTOR IV) (DNA-REPAIR PRO>) | spP13010 | 1 |
| 5739 ncr7105 | DNA fragmentation factor, 45 kD, alpha polypeptide (DFFA) | NM_004401.1 | 1 |
| 5740 FCR4740 | DNA polymerase delta | M81735 | 1 |
| 5741 FCR6714 | DNA replication licensing factor (huMCM2) (=D21063 KIAA0030) | D83987 | 1 |
| 5742 SEOA8432 | DNA-DIRECTED RNA POLYMERASE II 19 KDA POLYPEPTIDE (RPB7) | spP52433 | 1 |

Figure 6A - Continued

| | | | |
|----------------|--|-------------|---|
| 5743 SEOB0031 | DNA-DIRECTED RNA POLYMERASES I, II, AND III 7.0 KD POLYPEPTIDE (ABC10-ALPHA) (RPB7.0) | spP53803 | 1 |
| 5744 ncr1522 | gene encoding splicing factor SF1 | AJ000052.1 | 1 |
| 5745 ncr3260 | line-1 reverse transcriptase | AAC51337.1 | 1 |
| 5746 ncr9328 | meiotic recombination (S. cerevisiae)11 homolog B (RefSeq aa 9e-69) | NP_005582.1 | 1 |
| 5747 ncr4663 | meiotic recombination protein REC14 | AAG31639.1 | 1 |
| 5748 MIOA4037a | origin recognition complex protein 2 homologue (hORC2L) | U27459 | 1 |
| 5749 FCR3743 | origin recognition complex subunit 4 (ORC4L) (=AF022108) | AF047598 | 1 |
| 5750 MIOA1775 | origin recognition complex subunit LATHEO (LATHEO) | AF093535.1 | 1 |
| 5751 ncr7016 | origin recognition complex, subunit 3(yeast homolog)-like (RefSeq aa 2e-84) | NP_036513.1 | 1 |
| 5752 seob7392 | polymerase (RNA) II (DNA directed) polypeptide A (220kD) (POLR2A) | NM_000937.1 | 1 |
| 5753 ncr3516 | polymerase (RNA) II (DNA directed) polypeptide C (33kD) (POLR2C) mRNA(=variant beta for RNA polymerase II subunit 3)(= polymerase subunit hRPB 33) | NM_002694.1 | 1 |
| 5754 hfcr7505 | polymerase (RNA) II (DNA directed) polypeptide E (25kD) (POLR2E) | NM_002695.1 | 1 |
| 5755 hfcr6600 | polymerase (RNA) II (DNA directed) polypeptide I (14.5kD) (POLR2I) | NM_006233.2 | 1 |
| 5756 hfcr7317 | polymerase (RNA) III (DNA directed) (39kD) (RPC39) | NM_006466.1 | 1 |
| 5757 FCR6314 | polymerase II subunit hsRPB4 | U89387 | 1 |
| 5758 hfcr9549 | primase, polypeptide 1(49kD) (PRIM1)(= (subunit p48)) | NM_000946.1 | 1 |
| 5759 FCR4803 | replication factor C, 40-kDa subunit (A1) (=AF045555) | M87338 | 1 |
| 5760 ncr9686 | reverse transcriptase (non-exact) | AAB02291.1 | 1 |
| 5761 FCR4494 | BAF60b | AF068245 | 1 |
| 5762 miob3234 | binding protein(SRM300)(= HSPC075)(= splicing coactivator subunit SRm300) Length = 7789 | NM_016333.1 | 1 |
| 5763 hfcr6384 | budding uninhibited by benzimidazoles 1 (yeast homolog), beta (BUB1B) | NM_001211.2 | 1 |
| 5764 SEOB1778 | anaphase-promoting complex subunit 7 (APC7) | AF191340.1 | 1 |
| 5765 miob0682 | BCL2-associated athanogene 2 (BAG2) | NM_004282.2 | 1 |
| 5766 ncr1791 | CDEI binding protein | Z22572.1 | 1 |
| 5767 SEOA3121a | cell division protein (=AJ005892 JM23 protein) | AF063015 | 1 |
| 5768 FCR0090n | cytosolic adenylate kinase (AK1) | J04809 | 1 |
| 5769 BFCW0134 | D9 splice variant A | U95008 | 1 |
| 5770 ncrb1247 | disabled (Drosophila) homolog 1 (DAB1) | NM_021080.1 | 1 |
| 5771 SEOB0975 | discs, large (Drosophila) homolog 1 (DLG1) | gi4758161 | 1 |
| 5772 hfcr3531 | D-prohibitin | AF178980 | 1 |
| 5773 FCR0490 | hERV1 | U31176 | 1 |
| 5774 mioa0506m | hevin like protein =high endothelial venule (ORF) | X82157 | 1 |
| 5775 MIOA3685a | Murr2 (=AB018272 KIAA0729) | D85434 | 1 |
| 5776 ncrb1861 | Notch2 | D32210.1 | 1 |
| 5777 ncr5168 | progesterone induced protein (RefSeq aa 6e-32) | NP_056986.1 | 1 |
| 5778 miob3315 | prohibitin (PHB) | NM_002634.2 | 1 |
| 5779 seoa7752a | proliferating cell nuclear antigen (PCNA), mRNA /cds=(118,903) /gb=Nm_002592 /gi=4505640 /ug=Hs.78996 /len=1231 | Hs.78996 | 1 |
| 5780 fcrb1590 | proliferation potential-related protein | AF352051.1 | 1 |
| 5781 SEOB0376 | proto-oncogene (Wnt-5a) | L20861.1 | 1 |
| 5782 miob5412 | RFG | X77548.1 | 1 |

Figure 6A - Continued

| | | | |
|----------------|--|-------------|---|
| 5783 fcrb2381 | SEPTIN 6 type II (SEPTIN6) mRNA, complete cds | AF403059.1 | 1 |
| 5784 ncrb8747 | tumor endothelial marker 7 precursor (aa 3e-13) | NP_065138.1 | 1 |
| 5785 MIOA3725a | tumor neCrosis factor receptor 2 (TNFR2) | U52165 | 1 |
| 5786 hfcr8925 | tumor necrosis factor type 1 receptor associated protein (LOC51721), mRNA | NM_016292.1 | 1 |
| 5787 hfcr8824 | tumor necrosis factor type 2 receptor associated protein (TRAP3) mRNA, complete cds | U12597.1 | 1 |
| 5788 seob4030 | tumor necrosis factor(ligand) superfamily, member 12 (TNFSF12) (=AF055872.1 APO3L) | NM_003809.1 | 1 |
| 5789 ncr1203 | tumor necrosis factor, alpha-induced protein 1 (endothelial) (TNFAIP1) | NM_021137.1 | 1 |
| 5790 seob1061 | tumor necrosis factor, alpha-induced protein 3 (TNFAIP3) (=DKFZp434B029) | NM_006290.1 | 1 |
| 5791 hfcr2941 | tumor protein D52-like 2 (TPD52L2) | NM_003288.1 | 1 |
| 5792 seob5465 | tumor protein p53-binding protein, 2 (TP53BP2) mRNA | NM_005426.1 | 1 |
| 5793 hfcr2808 | tumor suppressing subtransferable candidate 1 (TSSC1) | NM_003310.1 | 1 |
| 5794 ncrb5384 | tumor susceptibility gene 101 (RefSeq aa 2e-61) | NP_006283.1 | 1 |
| 5795 SEOA6395 | raf oncogene | X03484 | 1 |
| 5796 FCR4921 | mitochondrial precursor receptor (=D13641 Human KIAA0016) | D63411 | 1 |
| 5797 SEOB0999 | mannan-binding lectin-associated serine protease-2 | X98400.1 | 1 |
| 5798 SEOA7500a | T cell-activating protein (HRF20) | M27909 | 1 |
| 5799 SEOA2846 | ragB protein | X90530 | 1 |
| 5800 SEOA6443 | mitochondrial F1Fo-ATPase synthase f subunit | AF047436 | 1 |
| 5801 hfcr0099 | actinin, alpha 4 (H. sapiens) (LOC126227) | XM_059002.1 | 1 |
| 5802 fcrb2126 | SH3 domain binding glutamic acid-rich protein (SH3BGR) | XM_049754.1 | 1 |
| 5803 hfcr5948 | fetal liver cDNA library Homo sapiens cDNA | AI174701.1 | 1 |
| 5804 ncr7813 | FSHD region gene 1 (RefSeq aa 7e-36) | NP_004468.1 | 1 |
| 5805 seoa8040 | glycoprotein (transmembrane) nmb (GPNMB), mRNA /cds=(91,1773) /gb=NM_002510 /gi=4505404 /ug=Hs.82226 /len=2669 | Hs#S1731822 | 1 |
| 5806 hfcr3425 | apurinic/aprimidinic endonuclease(APEX nuclease)-like 2 protein (APEXL2) | NM_014481.1 | 1 |
| 5807 SEOA8838 | glutamine-fructose-6-phosphate transaminase 1 (GFPT1) | NM_002056.1 | 1 |

Figure 6B – List of EST Sequence Names From Fetal Cartilage cDNA Library

| | | | | | | | | | |
|----|------------|-----|------------|-----|-----------|-----|-----------|-----|-----------|
| 1 | BFCN0001 | 62 | BFCN0119 | 123 | BFCN0233 | 184 | BFCS0081 | 245 | BFCS0312n |
| 2 | BFCN0002 | 63 | BFCN0120 | 124 | BFCN0235 | 185 | BFCS0082 | 246 | BFCS0313 |
| 3 | BFCN0003 | 64 | BFCN0124 | 125 | BFCN0236 | 186 | BFCS0083 | 247 | BFCS0314 |
| 4 | BFCN0005 | 65 | bfcn0127n | 126 | bfcn0238n | 187 | BFCS0088n | 248 | BFCS0315n |
| 5 | BFCN0006 | 66 | bfcn0128 | 127 | BFCN0239 | 188 | BFCS0089 | 249 | BFCS0316 |
| 6 | BFCN0007 | 67 | bfcn0130 | 128 | BFCN0245 | 189 | BFCS0092 | 250 | BFCS0317 |
| 7 | BFCN0008 | 68 | BFCN0133 | 129 | BFCN0246 | 190 | BFCS0093 | 251 | BFCS0319 |
| 8 | BFCN0009 | 69 | bfcn0134n | 130 | BFCN0247 | 191 | BFCS0094 | 252 | BFCS0320 |
| 9 | BFCN0010 | 70 | BFCN0135 | 131 | bfcn0248n | 192 | BFCS0195n | 253 | BFCS0321 |
| 10 | BFCN0012 | 71 | BFCN0136 | 132 | BFCN0249 | 193 | BFCS0196 | 254 | BFCS0322 |
| 11 | BFCN0013 | 72 | BFCN0138 | 133 | BFCN0250 | 194 | BFCS0198 | 255 | BFCS0324 |
| 12 | BFCN0018 | 73 | BFCN0139 | 134 | BFCN0251 | 195 | BFCS0199 | 256 | BFCS0326 |
| 13 | BFCN0019 | 74 | bfcn0140n | 135 | BFCN0252 | 196 | BFCS0202 | 257 | BFCS0330 |
| 14 | BFCN0021 | 75 | BFCN0142 | 136 | BFCN0253 | 197 | BFCS0203 | 258 | BFCS0331 |
| 15 | BFCN0024 | 76 | BFCN0156 | 137 | BFCN0254 | 198 | BFCS0205 | 259 | BFCS0332 |
| 16 | BFCN0027 | 77 | BFCN0164 | 138 | BFCN0255 | 199 | BFCS0206n | 260 | BFCS0335 |
| 17 | BFCN0029 | 78 | BFCN0168n | 139 | BFCN0256 | 200 | BFCS0207n | 261 | BFCS0336 |
| 18 | BFCN0031 | 79 | BFCN0171 | 140 | BFCN0259 | 201 | BFCS0208n | 262 | BFCS0337 |
| 19 | BFCN0034 | 80 | BFCN0172 | 141 | BFCN0261 | 202 | BFCS0212 | 263 | BFCS0338 |
| 20 | BFCN0038 | 81 | BFCN0173 | 142 | BFCN0265 | 203 | BFCS0214 | 264 | BFCS0342 |
| 21 | BFCN0039 | 82 | BFCN0177 | 143 | BFCN0266 | 204 | BFCS0216 | 265 | BFCS0343 |
| 22 | BFCN0040 | 83 | BFCN0178 | 144 | BFCN0267 | 205 | BFCS0219 | 266 | BFCS0345 |
| 23 | BFCN0042 | 84 | BFCN0179 | 145 | BFCN0268 | 206 | BFCS0220 | 267 | BFCS0346n |
| 24 | BFCN0045 | 85 | BFCN0180 | 146 | BFCN0270 | 207 | BFCS0223 | 268 | BFCS0347n |
| 25 | BFCN0047 | 86 | BFCN0181 | 147 | bfcn0271 | 208 | BFCS0228 | 269 | BFCS0368 |
| 26 | BFCN0048 | 87 | bfcn0182n | 148 | BFCN0272 | 209 | BFCS0229 | 270 | BFCS0369 |
| 27 | bfcn0049 | 88 | BFCN0185n | 149 | BFCN0273 | 210 | BFCS0231 | 271 | BFCS0371 |
| 28 | BFCN0050 | 89 | BFCN0186 | 150 | bfcn0274 | 211 | BFCS0232 | 272 | BFCS0377 |
| 29 | BFCN0051 | 90 | bfcn0190n | 151 | bfcn0485 | 212 | BFCS0233 | 273 | BFCS0379 |
| 30 | BFCN0053 | 91 | BFCN0192 | 152 | BFCS0001 | 213 | BFCS0238 | 274 | BFCS0384 |
| 31 | BFCN0055 | 92 | BFCN0194 | 153 | BFCS0003 | 214 | BFCS0239n | 275 | BFCS0389 |
| 32 | bfcn0056nn | 93 | BFCN0195 | 154 | BFCS0005 | 215 | BFCS0241 | 276 | BFCS0390 |
| 33 | BFCN0059 | 94 | BFCN0196 | 155 | BFCS0006 | 216 | BFCS0244 | 277 | BFCS0391 |
| 34 | BFCN0060 | 95 | BFCN0197 | 156 | BFCS0007 | 217 | BFCS0246 | 278 | bfc0392 |
| 35 | BFCN0062 | 96 | bfcn0198nn | 157 | BFCS0008 | 218 | BFCS0257 | 279 | BFCS0393 |
| 36 | BFCN0065 | 97 | BFCN0199 | 158 | BFCS0009 | 219 | BFCS0259 | 280 | BFCS0396 |
| 37 | BFCN0067 | 98 | BFCN0202n | 159 | BFCS0014 | 220 | BFCS0260 | | |
| 38 | BFCN0072 | 99 | BFCN0203 | 160 | BFCS0021 | 221 | BFCS0261 | | |
| 39 | bfcn0073n | 100 | BFCN0204 | 161 | BFCS0022 | 222 | BFCS0264 | | |
| 40 | BFCN0075 | 101 | BFCN0205 | 162 | BFCS0024 | 223 | BFCS0265 | | |
| 41 | BFCN0079 | 102 | BFCN0206n | 163 | BFCS0027 | 224 | BFCS0266 | | |
| 42 | BFCN0081 | 103 | BFCN0207 | 164 | BFCS0034 | 225 | BFCS0269n | | |
| 43 | BFCN0082 | 104 | BFCN0208 | 165 | BFCS0035 | 226 | BFCS0270 | | |
| 44 | bfcn0083n | 105 | BFCN0209 | 166 | BFCS0037n | 227 | BFCS0276 | | |
| 45 | BFCN0085 | 106 | BFCN0210 | 167 | BFCS0038 | 228 | BFCS0277 | | |
| 46 | BFCN0090 | 107 | BFCN0211 | 168 | bfc0039nn | 229 | BFCS0280 | | |
| 47 | bfcn0092 | 108 | BFCN0213 | 169 | BFCS0041 | 230 | BFCS0281 | | |
| 48 | BFCN0093 | 109 | BFCN0214 | 170 | BFCS0042 | 231 | BFCS0283 | | |
| 49 | BFCN0094 | 110 | bfcn0215nn | 171 | BFCS0043 | 232 | BFCS0284 | | |
| 50 | BFCN0096 | 111 | BFCN0216 | 172 | BFCS0045 | 233 | BFCS0285 | | |
| 51 | BFCN0097 | 112 | bfcn0217n | 173 | BFCS0047n | 234 | BFCS0286 | | |
| 52 | bfcn0098 | 113 | BFCN0219 | 174 | BFCS0048n | 235 | BFCS0289 | | |
| 53 | BFCN0105 | 114 | BFCN0220 | 175 | bfc0049 | 236 | BFCS0292 | | |
| 54 | BFCN0109 | 115 | BFCN0222 | 176 | BFCS0050 | 237 | BFCS0296 | | |
| 55 | BFCN0112 | 116 | bfcn0224n | 177 | BFCS0054 | 238 | BFCS0297 | | |
| 56 | BFCN0113 | 117 | BFCN0225 | 178 | BFCS0055 | 239 | BFCS0299 | | |
| 57 | BFCN0114 | 118 | BFCN0226 | 179 | bfc0057n | 240 | BFCS0300 | | |
| 58 | BFCN0115 | 119 | BFCN0227 | 180 | BFCS0058 | 241 | BFCS0302 | | |
| 59 | BFCN0116 | 120 | BFCN0228 | 181 | BFCS0074 | 242 | BFCS0303 | | |
| 60 | bfcn0117n | 121 | BFCN0229 | 182 | BFCS0077 | 243 | BFCS0309n | | |
| 61 | BFCN0118 | 122 | BFCN0232 | 183 | BFCS0079 | 244 | bfc0311 | | |

Figure 6B - Continued

| | | | | | | | | | |
|-----|-----------|-----|------------|-----|-----------|-----|-----------|-----|------------|
| 281 | BFCS0398 | 337 | BFCS0549 | 393 | BFCW0137 | 449 | BFCW0240 | 505 | BFCW0337 |
| 282 | BFCS0399 | 338 | BFCS0552 | 394 | BFCW0139n | 450 | BFCW0241 | 506 | BFCW0339 |
| 283 | BFCS0404 | 339 | BFCS0553n | 395 | BFCW0140 | 451 | BFCW0244 | 507 | bfcw0340n |
| 284 | BFCS0407 | 340 | BFCS0557 | 396 | BFCW0144 | 452 | BFCW0245 | 508 | BFCW0341 |
| 285 | BFCS0408 | 341 | BFCS0559 | 397 | BFCW0145 | 453 | BFCW0246 | 509 | BFCW0345n |
| 286 | BFCS0417 | 342 | BFCS0560 | 398 | BFCW0146 | 454 | BFCW0248n | 510 | bfcw0348n |
| 287 | BFCS0420 | 343 | BFCS0563 | 399 | BFCW0147 | 455 | BFCW0250 | 511 | BFCW0352 |
| 288 | BFCS0421n | 344 | BFCW0008 | 400 | BFCW0148 | 456 | BFCW0251 | 512 | BFCW0369 |
| 289 | BFCS0457 | 345 | BFCW0009 | 401 | BFCW0150 | 457 | BFCW0252 | 513 | BFCW0370 |
| 290 | BFCS0462 | 346 | BFCW0010 | 402 | BFCW0151 | 458 | BFCW0253n | 514 | BFCW0371 |
| 291 | BFCS0463 | 347 | BFCW0014 | 403 | BFCW0154 | 459 | BFCW0254n | 515 | BFCW0372 |
| 292 | BFCS0468n | 348 | BFCW0019n | 404 | BFCW0159 | 460 | BFCW0255 | 516 | BFCW0373 |
| 293 | BFCS0469n | 349 | BFCW0020 | 405 | BFCW0160 | 461 | BFCW0256 | 517 | BFCW0375 |
| 294 | BFCS0478 | 350 | BFCW0023 | 406 | BFCW0162 | 462 | BFCW0258 | 518 | BFCW0378 |
| 295 | BFCS0479 | 351 | BFCW0024 | 407 | BFCW0166 | 463 | BFCW0261 | 519 | BFCW0379n |
| 296 | BFCS0481 | 352 | BFCW0026n | 408 | BFCW0169 | 464 | BFCW0266 | 520 | BFCW0380 |
| 297 | BFCS0483 | 353 | BFCW0035 | 409 | BFCW0170 | 465 | BFCW0268 | 521 | BFCW0382 |
| 298 | BFCS0484 | 354 | BFCW0036n | 410 | BFCW0172 | 466 | BFCW0275 | 522 | BFCW0384 |
| 299 | BFCS0485 | 355 | BFCW0038 | 411 | BFCW0176 | 467 | BFCW0276 | 523 | BFCW0386 |
| 300 | BFCS0487 | 356 | BFCW0054 | 412 | BFCW0177 | 468 | BFCW0277 | 524 | BFCW0388n |
| 301 | BFCS0489 | 357 | BFCW0055 | 413 | BFCW0179 | 469 | BFCW0280 | 525 | BFCW0389 |
| 302 | BFCS0491 | 358 | BFCW0056n | 414 | BFCW0180 | 470 | bfcw0281n | 526 | BFCW0390 |
| 303 | BFCS0492 | 359 | BFCW0060n | 415 | BFCW0183n | 471 | bfcw0282n | 527 | BFCW0391 |
| 304 | BFCS0493 | 360 | BFCW0062 | 416 | BFCW0184 | 472 | bfcw0286n | 528 | BFCW0393 |
| 305 | BFCS0494 | 361 | BFCW0064n | 417 | BFCW0186 | 473 | BFCW0287 | 529 | BFCW0394 |
| 306 | BFCS0495 | 362 | BFCW0065 | 418 | BFCW0188 | 474 | BFCW0288 | 530 | BFCW0395 |
| 307 | BFCS0496 | 363 | BFCW0067 | 419 | BFCW0189 | 475 | BFCW0289 | 531 | BFCW0396 |
| 308 | BFCS0498 | 364 | BFCW0069n | 420 | BFCW0191n | 476 | BFCW0291 | 532 | BFCW0397 |
| 309 | BFCS0500 | 365 | BFCW0071 | 421 | BFCW0192 | 477 | BFCW0292n | 533 | BFCW0398 |
| 310 | BFCS0501 | 366 | BFCW0072 | 422 | BFCW0194 | 478 | BFCW0293 | 534 | BFCW0400 |
| 311 | BFCS0502 | 367 | BFCW0073 | 423 | BFCW0197 | 479 | BFCW0294 | 535 | BFCW0401 |
| 312 | BFCS0503 | 368 | BFCW0074 | 424 | BFCW0198 | 480 | BFCW0296 | 536 | bfcw0402n |
| 313 | BFCS0504 | 369 | BFCW0076 | 425 | BFCW0200 | 481 | BFCW0304 | 537 | BFCW0403 |
| 314 | BFCS0508 | 370 | BFCW0078 | 426 | BFCW0202n | 482 | BFCW0307 | 538 | BFCW0404 |
| 315 | BFCS0509 | 371 | BFCW0079 | 427 | BFCW0206n | 483 | BFCW0310 | 539 | BFCW0406 |
| 316 | BFCS0513 | 372 | BFCW0081 | 428 | BFCW0207n | 484 | BFCW0311 | 540 | bfcw0407nn |
| 317 | BFCS0516 | 373 | BFCW0083 | 429 | BFCW0209n | 485 | bfcw0312n | 541 | BFCW0408 |
| 318 | BFCS0518n | 374 | BFCW0085 | 430 | BFCW0210 | 486 | BFCW0313 | 542 | BFCW0409 |
| 319 | BFCS0519 | 375 | BFCW0088 | 431 | BFCW0212 | 487 | bfcw0314n | 543 | BFCW0412 |
| 320 | BFCS0520n | 376 | BFCW0090 | 432 | BFCW0215 | 488 | BFCW0316 | 544 | BFCW0413n |
| 321 | BFCS0522 | 377 | BFCW0092 | 433 | BFCW0216 | 489 | BFCW0317 | 545 | BFCW0414 |
| 322 | BFCS0523 | 378 | BFCW0093 | 434 | BFCW0217n | 490 | BFCW0318 | 546 | BFCW0415 |
| 323 | BFCS0524 | 379 | BFCW0094 | 435 | BFCW0218 | 491 | BFCW0319 | 547 | BFCW0416 |
| 324 | BFCS0526 | 380 | BFCW0100n | 436 | BFCW0219n | 492 | BFCW0320 | 548 | bfcw0420 |
| 325 | BFCS0527 | 381 | BFCW0102n | 437 | BFCW0220 | 493 | BFCW0323 | 549 | BFCW0421 |
| 326 | BFCS0531 | 382 | BFCW0103 | 438 | BFCW0223 | 494 | BFCW0325 | 550 | BFCW0422 |
| 327 | BFCS0532 | 383 | BFCW0108 | 439 | BFCW0224 | 495 | BFCW0326 | 551 | BFCW0423 |
| 328 | BFCS0533 | 384 | bfcw0109nn | 440 | bfcw0225n | 496 | BFCW0327 | 552 | BFCW0424 |
| 329 | BFCS0535 | 385 | BFCW0111 | 441 | BFCW0226 | 497 | BFCW0329 | 553 | BFCW0425 |
| 330 | BFCS0538 | 386 | BFCW0112 | 442 | BFCW0228n | 498 | BFCW0330n | 554 | BFCW0426 |
| 331 | BFCS0539 | 387 | BFCW0114 | 443 | BFCW0230 | 499 | BFCW0331 | 555 | BFCW0429 |
| 332 | BFCS0541 | 388 | BFCW0115 | 444 | BFCW0231 | 500 | BFCW0332 | 556 | BFCW0430n |
| 333 | BFCS0544 | 389 | BFCW0118 | 445 | BFCW0235 | 501 | BFCW0333 | 557 | BFCW0431 |
| 334 | BFCS0545n | 390 | BFCW0132 | 446 | BFCW0236 | 502 | BFCW0334n | 558 | BFCW0432 |
| 335 | BFCS0547 | 391 | BFCW0133 | 447 | BFCW0238 | 503 | BFCW0335n | 559 | BFCW0433 |
| 336 | BFCS0548 | 392 | BFCW0134 | 448 | BFCW0239 | 504 | bfcw0336n | 560 | bfcw0435n |

Figure 6B - Continued

| | | | | | | | | | |
|-----|------------|-----|-----------|-----|---------|-----|---------|-----|---------|
| 561 | BFCW0436 | 617 | BFCW0546 | 673 | CR0040 | 729 | CR0144 | 785 | CR0290 |
| 562 | BFCW0438 | 618 | BFCW0551n | 674 | CR0042 | 730 | CR0145 | 786 | CR0291 |
| 563 | BFCW0440 | 619 | BFCW0553 | 675 | CR0043 | 731 | CR0146 | 787 | CR0292 |
| 564 | BFCW0445 | 620 | BFCW0554 | 676 | CR0044 | 732 | CR0163 | 788 | CR0296 |
| 565 | BFCW0457 | 621 | BFCW0555 | 677 | cr0045 | 733 | CR0167 | 789 | CR0297 |
| 566 | BFCW0458n | 622 | BFCW0558 | 678 | CR0046 | 734 | CR0178 | 790 | CR0300 |
| 567 | BFCW0459 | 623 | BFCW0567n | 679 | CR0050 | 735 | CR0179 | 791 | CR0302 |
| 568 | BFCW0460 | 624 | BFCW0568n | 680 | CR0052 | 736 | CR0180 | 792 | CR0303 |
| 569 | BFCW0461 | 625 | BFCW0569n | 681 | CR0054 | 737 | CR0183 | 793 | cr0304 |
| 570 | BFCW0462 | 626 | BFCW0570 | 682 | CR0055 | 738 | CR0184 | 794 | CR0305 |
| 571 | BFCW0464n | 627 | BFCW0572n | 683 | cr0056N | 739 | CR0193 | 795 | CR0307 |
| 572 | BFCW0467 | 628 | BFCW0573 | 684 | CR0057 | 740 | CR0196 | 796 | CR0310 |
| 573 | BFCW0469n | 629 | BFCW0574 | 685 | CR0060 | 741 | CR0203 | 797 | CR0311 |
| 574 | BFCW0472 | 630 | bfcw0576n | 686 | CR0063 | 742 | cr0204 | 798 | CR0312 |
| 575 | BFCW0476 | 631 | bfcw0579 | 687 | CR0064 | 743 | CR0205 | 799 | CR0323 |
| 576 | BFCW0478n | 632 | BFCW0583 | 688 | CR0065 | 744 | CR0206 | 800 | CR0334 |
| 577 | bfcw0479nn | 633 | BFCW0586 | 689 | CR0066 | 745 | CR0208 | 801 | cr0337N |
| 578 | BFCW0480 | 634 | BFCW0587 | 690 | CR0067 | 746 | CR0209 | 802 | cr0346N |
| 579 | BFCW0481 | 635 | BFCW0588 | 691 | CR0068 | 747 | CR0215 | 803 | CR0348 |
| 580 | bfcw0482nn | 636 | BFCW0589 | 692 | CR0069 | 748 | CR0217 | 804 | CR0351 |
| 581 | BFCW0483 | 637 | BFCW0594 | 693 | CR0070 | 749 | CR0219 | 805 | CR0354 |
| 582 | bfcw0487n | 638 | BFCW0596n | 694 | cr0071n | 750 | cr0222N | 806 | CR0357 |
| 583 | bfcw0488n | 639 | BFCW0598 | 695 | CR0072 | 751 | CR0223 | 807 | CR0358 |
| 584 | BFCW0489 | 640 | BFCW0599 | 696 | CR0074 | 752 | CR0228 | 808 | CR0359 |
| 585 | BFCW0490 | 641 | bfcw0601n | 697 | CR0076 | 753 | CR0230 | 809 | cr0360N |
| 586 | BFCW0492 | 642 | BFCW0604 | 698 | CR0077 | 754 | CR0231 | 810 | CR0365 |
| 587 | BFCW0493 | 643 | BFCW0605 | 699 | cr0078 | 755 | CR0232 | 811 | cr0366 |
| 588 | BFCW0500 | 644 | BFCW0607 | 700 | CR0079 | 756 | CR0233 | 812 | CR0370 |
| 589 | BFCW0506 | 645 | BFCW0608 | 701 | CR0082 | 757 | CR0234 | 813 | CR0373 |
| 590 | BFCW0510 | 646 | BFCW0609 | 702 | CR0087 | 758 | CR0235 | 814 | CR0389 |
| 591 | BFCW0511 | 647 | BFCW0610 | 703 | CR0088 | 759 | CR0236 | 815 | CR0394 |
| 592 | BFCW0513 | 648 | CR0001 | 704 | CR0089 | 760 | CR0237 | 816 | CR0396 |
| 593 | BFCW0515 | 649 | CR0002 | 705 | CR0090 | 761 | CR0239 | 817 | CR0397 |
| 594 | bfcw0516 | 650 | CR0006 | 706 | CR0093 | 762 | CR0240 | 818 | CR0408 |
| 595 | BFCW0517 | 651 | CR0007 | 707 | CR0107 | 763 | cr0247n | 819 | CR0412 |
| 596 | BFCW0518 | 652 | CR0008 | 708 | CR0108 | 764 | CR0250 | 820 | CR0414 |
| 597 | bfcw0519n | 653 | CR0009 | 709 | CR0109 | 765 | CR0251 | 821 | CR0423 |
| 598 | BFCW0520 | 654 | CR0010 | 710 | CR0111 | 766 | CR0253 | 822 | CR0427 |
| 599 | BFCW0521 | 655 | CR0011 | 711 | CR0112 | 767 | CR0255 | 823 | CR0429 |
| 600 | BFCW0523 | 656 | CR0015 | 712 | CR0113 | 768 | CR0256 | 824 | CR0430 |
| 601 | BFCW0524 | 657 | CR0016 | 713 | CR0115 | 769 | CR0270 | 825 | CR0442 |
| 602 | BFCW0525 | 658 | cr0018n | 714 | CR0117 | 770 | CR0271 | 826 | CR0444 |
| 603 | BFCW0526 | 659 | cr0019 | 715 | CR0118 | 771 | CR0272 | 827 | CR0445 |
| 604 | BFCW0527 | 660 | CR0020 | 716 | CR0119 | 772 | CR0273 | 828 | CR0452 |
| 605 | BFCW0529 | 661 | CR0022 | 717 | CR0120 | 773 | CR0274 | 829 | CR0453 |
| 606 | BFCW0530 | 662 | CR0023 | 718 | CR0121 | 774 | CR0275 | 830 | CR0454 |
| 607 | BFCW0531 | 663 | CR0024 | 719 | CR0124 | 775 | CR0276 | 831 | CR0465 |
| 608 | BFCW0532 | 664 | CR0025 | 720 | CR0125 | 776 | CR0277 | 832 | CR0468 |
| 609 | BFCW0534 | 665 | cr0026 | 721 | CR0128 | 777 | CR0278 | 833 | CR0469 |
| 610 | BFCW0535 | 666 | cr0027 | 722 | cr0131n | 778 | CR0279 | 834 | CR0471 |
| 611 | BFCW0537 | 667 | CR0028 | 723 | CR0133 | 779 | CR0280 | 835 | CR0474 |
| 612 | bfcw0539 | 668 | CR0029 | 724 | CR0135 | 780 | CR0281 | 836 | CR0476 |
| 613 | bfcw0540n | 669 | CR0030 | 725 | CR0136 | 781 | CR0283 | 837 | CR0477 |
| 614 | BFCW0541 | 670 | CR0033 | 726 | CR0138 | 782 | CR0285 | 838 | CR0480 |
| 615 | BFCW0542n | 671 | CR0038 | 727 | CR0140 | 783 | CR0286 | 839 | CR0481 |
| 616 | BFCW0543 | 672 | CR0039 | 728 | CR0143 | 784 | CR0289 | 840 | CR0482 |

Figure 6B - Continued

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|-----|---------|-----|---------|------|---------|------|---------|------|-----------|
| 841 | CR0483 | 897 | CR0587 | 953 | CR0790 | 1009 | CR0906 | 1065 | CR1006 |
| 842 | CR0484 | 898 | CR0590 | 954 | CR0791 | 1010 | CR0907 | 1066 | CR1009 |
| 843 | CR0485 | 899 | CR0591 | 955 | cr0792 | 1011 | CR0909 | 1067 | CR1010 |
| 844 | CR0486 | 900 | CR0596 | 956 | CR0793 | 1012 | cr0910 | 1068 | CR1016 |
| 845 | CR0487 | 901 | CR0599 | 957 | CR0794 | 1013 | CR0911 | 1069 | CR1023 |
| 846 | CR0488 | 902 | CR0609 | 958 | cr0796N | 1014 | CR0912 | 1070 | CR1028 |
| 847 | CR0489 | 903 | CR0613 | 959 | CR0797 | 1015 | CR0914 | 1071 | cr1029N |
| 848 | CR0490 | 904 | CR0614 | 960 | CR0798 | 1016 | CR0916 | 1072 | CR1062 |
| 849 | CR0491 | 905 | CR0617 | 961 | cr0807n | 1017 | cr0917 | 1073 | fcr0004 |
| 850 | CR0494 | 906 | CR0618 | 962 | CR0808 | 1018 | CR0918 | 1074 | FCR0009 |
| 851 | CR0495 | 907 | CR0620 | 963 | CR0809 | 1019 | CR0920 | 1075 | FCR0010 |
| 852 | CR0496 | 908 | CR0623 | 964 | CR0811 | 1020 | CR0921 | 1076 | fcr0014n |
| 853 | cr0499 | 909 | CR0625 | 965 | CR0814 | 1021 | CR0922 | 1077 | FCR0017 |
| 854 | CR0500 | 910 | CR0627 | 966 | CR0816 | 1022 | CR0923 | 1078 | FCR0018n |
| 855 | CR0501 | 911 | CR0632 | 967 | CR0817 | 1023 | CR0925 | 1079 | FCR0019n |
| 856 | cr0503N | 912 | CR0634 | 968 | CR0818 | 1024 | CR0928 | 1080 | FCR0020 |
| 857 | CR0504 | 913 | cr0635N | 969 | CR0819 | 1025 | CR0929 | 1081 | FCR0023 |
| 858 | CR0505 | 914 | CR0637 | 970 | cr08221 | 1026 | CR0930 | 1082 | FCR0027 |
| 859 | cr0506 | 915 | CR0641 | 971 | CR0823 | 1027 | CR0935 | 1083 | FCR0030 |
| 860 | CR0508 | 916 | CR0644 | 972 | cr0824 | 1028 | CR0936 | 1084 | FCR0032 |
| 861 | CR0515 | 917 | CR0650 | 973 | CR0830 | 1029 | cr0937 | 1085 | FCR0033 |
| 862 | CR0516 | 918 | CR0657 | 974 | CR0831 | 1030 | CR0938 | 1086 | FCR0034 |
| 863 | cr0517 | 919 | CR0659 | 975 | CR0832 | 1031 | CR0939 | 1087 | FCR0035 |
| 864 | CR0518 | 920 | CR0679 | 976 | CR0834 | 1032 | CR0940 | 1088 | FCR0036n |
| 865 | CR0524 | 921 | CR0682 | 977 | CR0835 | 1033 | CR0941 | 1089 | fcr0038n |
| 866 | CR0525 | 922 | CR0685 | 978 | CR0837 | 1034 | cr0942n | 1090 | fcr0039n |
| 867 | CR0526 | 923 | CR0699 | 979 | CR0838 | 1035 | CR0944 | 1091 | FCR0040 |
| 868 | CR0530 | 924 | CR0702 | 980 | CR0839 | 1036 | CR0946 | 1092 | FCR0043n |
| 869 | CR0532 | 925 | CR0703 | 981 | CR0840 | 1037 | CR0953 | 1093 | FCR0045 |
| 870 | CR0533 | 926 | CR0705 | 982 | CR0841 | 1038 | CR0954 | 1094 | FCR0050n |
| 871 | CR0534 | 927 | CR0707 | 983 | CR0843 | 1039 | CR0955 | 1095 | FCR0052 |
| 872 | CR0535 | 928 | CR0708 | 984 | CR0847 | 1040 | CR0956 | 1096 | FCR0055 |
| 873 | CR0538 | 929 | CR0714 | 985 | cr0849N | 1041 | CR0958 | 1097 | FCR0056n |
| 874 | cr0540N | 930 | CR0715 | 986 | CR0857 | 1042 | CR0959 | 1098 | FCR0059n |
| 875 | CR0541 | 931 | CR0716 | 987 | cr0858N | 1043 | CR0969 | 1099 | FCR0060 |
| 876 | cr0542 | 932 | CR0718 | 988 | CR0859 | 1044 | CR0971 | 1100 | FCR0061n |
| 877 | CR0544 | 933 | CR0724 | 989 | CR0861 | 1045 | CR0972 | 1101 | fcr0062nn |
| 878 | CR0545 | 934 | CR0725 | 990 | CR0866 | 1046 | CR0973 | 1102 | fcr0063n |
| 879 | CR0547 | 935 | CR0726 | 991 | CR0870 | 1047 | CR0974 | 1103 | FCR0064 |
| 880 | CR0548 | 936 | CR0729 | 992 | CR0872 | 1048 | CR0976 | 1104 | FCR0065 |
| 881 | CR0550 | 937 | CR0740 | 993 | CR0873 | 1049 | CR0978 | 1105 | FCR0066 |
| 882 | CR0553 | 938 | CR0744 | 994 | CR0874 | 1050 | CR0979 | 1106 | FCR0067n |
| 883 | CR0554 | 939 | CR0750 | 995 | CR0875 | 1051 | CR0981 | 1107 | FCR0068 |
| 884 | CR0555 | 940 | CR0759 | 996 | CR0877 | 1052 | CR0983 | 1108 | FCR0069n |
| 885 | CR0556 | 941 | CR0768 | 997 | CR0878 | 1053 | CR0985 | 1109 | FCR0072 |
| 886 | CR0557 | 942 | CR0770 | 998 | cr0880N | 1054 | CR0989 | 1110 | FCR0073 |
| 887 | CR0558 | 943 | CR0771 | 999 | CR0881 | 1055 | CR0991 | 1111 | FCR0075 |
| 888 | CR0562 | 944 | CR0775 | 1000 | CR0882 | 1056 | CR0992 | 1112 | FCR0077 |
| 889 | cr0563n | 945 | CR0778 | 1001 | CR0883 | 1057 | CR0994 | 1113 | FCR0079 |
| 890 | CR0565 | 946 | CR0780 | 1002 | CR0885 | 1058 | CR0995 | 1114 | FCR0081 |
| 891 | CR0567 | 947 | CR0781 | 1003 | CR0897 | 1059 | CR0996 | 1115 | FCR0083 |
| 892 | CR0573 | 948 | cr0784 | 1004 | CR0899 | 1060 | cr0999 | 1116 | FCR0087 |
| 893 | CR0577 | 949 | CR0785 | 1005 | CR0900 | 1061 | CR1002 | 1117 | FCR0088 |
| 894 | CR0583 | 950 | CR0787 | 1006 | CR0903 | 1062 | CR1003 | 1118 | FCR0089 |
| 895 | CR0584 | 951 | CR0788 | 1007 | CR0904 | 1063 | CR1004 | 1119 | FCR0090n |
| 896 | CR0585 | 952 | CR0789 | 1008 | CR0905 | 1064 | CR1005 | 1120 | FCR0091 |

Figure 6B - Continued

| | | | | | | | | | |
|------|----------|------|----------|------|----------|------|---------|------|----------|
| 1121 | FCR0092 | 1177 | FCR0177 | 1233 | FCR0265 | 1289 | FCR0348 | 1345 | FCR0425 |
| 1122 | FCR0093 | 1178 | FCR0179 | 1234 | FCR0266 | 1290 | FCR0349 | 1346 | FCR0429 |
| 1123 | FCR0098 | 1179 | FCR0180 | 1235 | FCR0269 | 1291 | fc0350 | 1347 | FCR0430 |
| 1124 | FCR0099 | 1180 | FCR0182 | 1236 | fc0270nn | 1292 | fc0351N | 1348 | FCR0431 |
| 1125 | FCR0100 | 1181 | FCR0185 | 1237 | FCR0272 | 1293 | FCR0352 | 1349 | FCR0432 |
| 1126 | FCR0102 | 1182 | FCR0186 | 1238 | FCR0273 | 1294 | FCR0353 | 1350 | fc0434 |
| 1127 | FCR0104 | 1183 | FCR0187 | 1239 | FCR0274 | 1295 | fc0354 | 1351 | FCR0435 |
| 1128 | FCR0105 | 1184 | FCR0188 | 1240 | FCR0276 | 1296 | FCR0355 | 1352 | FCR0437 |
| 1129 | FCR0107 | 1185 | FCR0193 | 1241 | FCR0278 | 1297 | fc0356n | 1353 | FCR0438 |
| 1130 | FCR0108 | 1186 | FCR0194 | 1242 | FCR0279 | 1298 | FCR0358 | 1354 | FCR0439 |
| 1131 | FCR0111 | 1187 | fc0195 | 1243 | FCR0280 | 1299 | FCR0360 | 1355 | FCR0440 |
| 1132 | FCR0113 | 1188 | FCR0196 | 1244 | FCR0282 | 1300 | FCR0361 | 1356 | FCR0441 |
| 1133 | fc0115nn | 1189 | FCR0198 | 1245 | FCR0283 | 1301 | fc0362n | 1357 | fc0444 |
| 1134 | FCR0116 | 1190 | FCR0199 | 1246 | FCR0284 | 1302 | FCR0365 | 1358 | FCR0447 |
| 1135 | FCR0130 | 1191 | FCR0200 | 1247 | FCR0285 | 1303 | FCR0366 | 1359 | FCR0448 |
| 1136 | FCR0131 | 1192 | FCR0201 | 1248 | FCR0287 | 1304 | FCR0367 | 1360 | FCR0450 |
| 1137 | fc0132n | 1193 | FCR0202 | 1249 | FCR0288 | 1305 | FCR0369 | 1361 | FCR0454 |
| 1138 | FCR0133 | 1194 | FCR0205 | 1250 | FCR0290 | 1306 | fc0370N | 1362 | FCR0455 |
| 1139 | FCR0134 | 1195 | FCR0206 | 1251 | FCR0291 | 1307 | FCR0371 | 1363 | FCR0456 |
| 1140 | FCR0135 | 1196 | FCR0207 | 1252 | FCR0292 | 1308 | fc0372N | 1364 | FCR0458 |
| 1141 | FCR0136 | 1197 | FCR0208 | 1253 | fc0293 | 1309 | fc0373n | 1365 | FCR0459 |
| 1142 | FCR0138 | 1198 | FCR0209 | 1254 | FCR0294 | 1310 | FCR0375 | 1366 | fc0464 |
| 1143 | FCR0139 | 1199 | FCR0211 | 1255 | FCR0297 | 1311 | FCR0376 | 1367 | FCR0466 |
| 1144 | FCR0140 | 1200 | FCR0216 | 1256 | FCR0298 | 1312 | fc0378 | 1368 | fc0468n |
| 1145 | FCR0141 | 1201 | FCR0217 | 1257 | FCR0300 | 1313 | fc0379 | 1369 | FCR0469 |
| 1146 | FCR0142 | 1202 | FCR0222 | 1258 | FCR0302 | 1314 | FCR0380 | 1370 | FCR0470 |
| 1147 | FCR0143 | 1203 | FCR0223 | 1259 | FCR0304 | 1315 | FCR0383 | 1371 | FCR0471 |
| 1148 | fc0144nn | 1204 | FCR0224 | 1260 | FCR0306 | 1316 | FCR0385 | 1372 | FCR0472 |
| 1149 | fc0145nn | 1205 | FCR0225 | 1261 | FCR0307 | 1317 | FCR0388 | 1373 | FCR0473 |
| 1150 | FCR0146 | 1206 | FCR0226 | 1262 | FCR0309 | 1318 | fc0389n | 1374 | FCR0474 |
| 1151 | FCR0148 | 1207 | FCR0227 | 1263 | FCR0310 | 1319 | FCR0390 | 1375 | FCR0476 |
| 1152 | FCR0149 | 1208 | FCR0230 | 1264 | FCR0311 | 1320 | FCR0391 | 1376 | FCR0477 |
| 1153 | FCR0150 | 1209 | FCR0231 | 1265 | FCR0312 | 1321 | FCR0392 | 1377 | FCR0478 |
| 1154 | FCR0151 | 1210 | FCR0233 | 1266 | fc0313N | 1322 | FCR0393 | 1378 | FCR0479 |
| 1155 | fc0152nn | 1211 | FCR0235 | 1267 | FCR0314 | 1323 | FCR0395 | 1379 | FCR0481 |
| 1156 | FCR0153 | 1212 | FCR0236 | 1268 | FCR0316 | 1324 | FCR0398 | 1380 | FCR0482n |
| 1157 | FCR0154 | 1213 | FCR0237 | 1269 | FCR0317 | 1325 | FCR0399 | 1381 | FCR0483 |
| 1158 | FCR0155 | 1214 | FCR0238 | 1270 | FCR0320 | 1326 | FCR0400 | 1382 | FCR0485 |
| 1159 | FCR0158 | 1215 | FCR0239 | 1271 | FCR0322 | 1327 | FCR0401 | 1383 | FCR0486 |
| 1160 | FCR0159 | 1216 | FCR0240 | 1272 | FCR0324 | 1328 | FCR0402 | 1384 | FCR0488 |
| 1161 | FCR0160 | 1217 | FCR0242 | 1273 | FCR0326 | 1329 | FCR0404 | 1385 | FCR0489 |
| 1162 | FCR0161 | 1218 | FCR0244 | 1274 | FCR0327 | 1330 | FCR0405 | 1386 | FCR0490 |
| 1163 | FCR0162 | 1219 | fc0245nn | 1275 | FCR0328 | 1331 | FCR0407 | 1387 | FCR0492 |
| 1164 | FCR0163 | 1220 | fc0246n | 1276 | fc0329 | 1332 | FCR0409 | 1388 | fc0493n |
| 1165 | FCR0164 | 1221 | FCR0247 | 1277 | FCR0332 | 1333 | FCR0410 | 1389 | FCR0494 |
| 1166 | FCR0166 | 1222 | FCR0248 | 1278 | FCR0333 | 1334 | fc0411 | 1390 | FCR0496 |
| 1167 | FCR0167 | 1223 | FCR0249 | 1279 | FCR0334 | 1335 | FCR0412 | 1391 | FCR0497 |
| 1168 | FCR0168 | 1224 | FCR0253 | 1280 | FCR0335 | 1336 | FCR0413 | 1392 | FCR0498 |
| 1169 | FCR0169 | 1225 | FCR0254 | 1281 | fc0336n | 1337 | FCR0414 | 1393 | FCR0499 |
| 1170 | FCR0170 | 1226 | FCR0257 | 1282 | FCR0338 | 1338 | FCR0416 | 1394 | FCR0500 |
| 1171 | FCR0171 | 1227 | fc0258n | 1283 | FCR0339 | 1339 | FCR0417 | 1395 | FCR0501 |
| 1172 | fc0172nn | 1228 | FCR0259 | 1284 | FCR0340 | 1340 | FCR0418 | 1396 | FCR0502 |
| 1173 | FCR0173 | 1229 | FCR0260 | 1285 | FCR0342 | 1341 | FCR0419 | 1397 | FCR0503 |
| 1174 | FCR0174 | 1230 | FCR0262 | 1286 | FCR0343 | 1342 | FCR0420 | 1398 | fc0506nn |
| 1175 | FCR0175 | 1231 | FCR0263 | 1287 | FCR0344 | 1343 | FCR0421 | 1399 | FCR0507 |
| 1176 | FCR0176 | 1232 | FCR0264 | 1288 | fc0346 | 1344 | fc0422 | 1400 | FCR0508 |

Figure 6B - Continued

| | | | | | | | | | |
|------|----------|------|----------|------|----------|------|----------|------|----------|
| 1401 | FCR0510 | 1457 | FCR0576 | 1513 | FCR0652N | 1569 | FCR0740 | 1625 | FCR0824 |
| 1402 | FCR0511 | 1458 | FCR0578 | 1514 | FCR0653 | 1570 | FCR0743 | 1626 | FCR0825 |
| 1403 | FCR0513n | 1459 | FCR0580 | 1515 | FCR0654 | 1571 | FCR0748 | 1627 | fc0826n |
| 1404 | FCR0515 | 1460 | FCR0583 | 1516 | FCR0658 | 1572 | FCR0749 | 1628 | FCR0827 |
| 1405 | fc0516nn | 1461 | FCR0584 | 1517 | FCR0663 | 1573 | FCR0750 | 1629 | FCR0828 |
| 1406 | FCR0517 | 1462 | FCR0585 | 1518 | FCR0665 | 1574 | FCR0751 | 1630 | FCR0830 |
| 1407 | FCR0518 | 1463 | FCR0586 | 1519 | FCR0666N | 1575 | FCR0752 | 1631 | FCR0833 |
| 1408 | FCR0519 | 1464 | FCR0587 | 1520 | FCR0667 | 1576 | FCR0753 | 1632 | FCR0834 |
| 1409 | FCR0520 | 1465 | FCR0588 | 1521 | FCR0668 | 1577 | FCR0755 | 1633 | FCR0835 |
| 1410 | FCR0522 | 1466 | FCR0589 | 1522 | FCR0669 | 1578 | FCR0756 | 1634 | FCR0836 |
| 1411 | FCR0523 | 1467 | FCR0593 | 1523 | FCR0670 | 1579 | FCR0757 | 1635 | FCR0837N |
| 1412 | FCR0524 | 1468 | FCR0594 | 1524 | FCR0671 | 1580 | FCR0758 | 1636 | FCR0839 |
| 1413 | FCR0525 | 1469 | FCR0595 | 1525 | FCR0674 | 1581 | FCR0759 | 1637 | FCR0841 |
| 1414 | FCR0529 | 1470 | FCR0596 | 1526 | FCR0675 | 1582 | FCR0761 | 1638 | FCR0842 |
| 1415 | FCR0530 | 1471 | fc0597n | 1527 | FCR0676 | 1583 | FCR0763 | 1639 | FCR0843 |
| 1416 | FCR0531 | 1472 | FCR0598 | 1528 | FCR0677 | 1584 | FCR0765 | 1640 | FCR0844 |
| 1417 | FCR0532 | 1473 | FCR0599 | 1529 | FCR0680 | 1585 | FCR0766 | 1641 | FCR0845 |
| 1418 | FCR0534 | 1474 | FCR0601N | 1530 | FCR0681 | 1586 | FCR0767 | 1642 | FCR0846 |
| 1419 | FCR0535 | 1475 | FCR0603 | 1531 | FCR0682 | 1587 | FCR0768 | 1643 | FCR0847 |
| 1420 | FCR0536 | 1476 | FCR0604 | 1532 | FCR0683 | 1588 | FCR0769 | 1644 | FCR0848 |
| 1421 | FCR0537 | 1477 | FCR0605 | 1533 | FCR0684 | 1589 | FCR0770N | 1645 | FCR0849 |
| 1422 | FCR0539 | 1478 | FCR0606 | 1534 | FCR0685 | 1590 | FCR0771 | 1646 | FCR0850 |
| 1423 | fc0540n | 1479 | FCR0607 | 1535 | FCR0686N | 1591 | FCR0773 | 1647 | FCR0851 |
| 1424 | FCR0541 | 1480 | FCR0608 | 1536 | FCR0687N | 1592 | FCR0774 | 1648 | FCR0852 |
| 1425 | FCR0542 | 1481 | FCR0609 | 1537 | fc0688n | 1593 | FCR0775 | 1649 | FCR0853 |
| 1426 | FCR0543 | 1482 | fc0610 | 1538 | FCR0689 | 1594 | FCR0776 | 1650 | FCR0854 |
| 1427 | FCR0545 | 1483 | FCR0611 | 1539 | FCR0690 | 1595 | FCR0777 | 1651 | FCR0855 |
| 1428 | FCR0546 | 1484 | FCR0612 | 1540 | FCR0691N | 1596 | FCR0778 | 1652 | FCR0856 |
| 1429 | FCR0547 | 1485 | fc0613nn | 1541 | FCR0693 | 1597 | FCR0779 | 1653 | FCR0857 |
| 1430 | FCR0548 | 1486 | FCR0614 | 1542 | FCR0694N | 1598 | FCR0781 | 1654 | FCR0858 |
| 1431 | fc0549 | 1487 | FCR0615 | 1543 | FCR0695 | 1599 | FCR0785 | 1655 | FCR0859 |
| 1432 | FCR0551 | 1488 | FCR0618 | 1544 | FCR0696 | 1600 | FCR0786N | 1656 | FCR0860 |
| 1433 | FCR0552 | 1489 | FCR0620 | 1545 | FCR0698 | 1601 | FCR0787 | 1657 | FCR0861 |
| 1434 | FCR0553 | 1490 | fc0621n | 1546 | FCR0700 | 1602 | FCR0788 | 1658 | FCR0862 |
| 1435 | FCR0554 | 1491 | FCR0622 | 1547 | FCR0701 | 1603 | FCR0790 | 1659 | FCR0863 |
| 1436 | FCR0555 | 1492 | FCR0623 | 1548 | FCR0703 | 1604 | FCR0792 | 1660 | FCR0864 |
| 1437 | FCR0556 | 1493 | FCR0624 | 1549 | FCR0704 | 1605 | FCR0793N | 1661 | FCR0865 |
| 1438 | FCR0557 | 1494 | FCR0625 | 1550 | FCR0705 | 1606 | FCR0794N | 1662 | FCR0866 |
| 1439 | FCR0558 | 1495 | FCR0628N | 1551 | FCR0706 | 1607 | fc0795n | 1663 | FCR0867 |
| 1440 | FCR0559n | 1496 | FCR0629 | 1552 | FCR0707 | 1608 | FCR0796 | 1664 | FCR0868 |
| 1441 | FCR0560 | 1497 | FCR0630 | 1553 | FCR0708 | 1609 | FCR0797 | 1665 | FCR0870 |
| 1442 | FCR0561 | 1498 | FCR0632 | 1554 | FCR0710 | 1610 | FCR0798 | 1666 | FCR0872 |
| 1443 | FCR0563 | 1499 | FCR0633 | 1555 | FCR0711 | 1611 | FCR0801 | 1667 | FCR0874 |
| 1444 | fc0564nn | 1500 | FCR0634 | 1556 | FCR0712 | 1612 | FCR0802 | 1668 | FCR0875 |
| 1445 | FCR0565 | 1501 | fc0636n | 1557 | FCR0714N | 1613 | FCR0803 | 1669 | fc0876n |
| 1446 | FCR0566 | 1502 | FCR0637 | 1558 | FCR0715 | 1614 | FCR0807 | 1670 | FCR0878 |
| 1447 | FCR0567 | 1503 | FCR0638 | 1559 | FCR0725 | 1615 | FCR0808 | 1671 | FCR0879 |
| 1448 | FCR0568n | 1504 | FCR0639 | 1560 | FCR0726 | 1616 | FCR0809 | 1672 | FCR0881 |
| 1449 | FCR0569 | 1505 | FCR0640 | 1561 | FCR0727 | 1617 | FCR0810 | 1673 | FCR0882 |
| 1450 | FCR0570 | 1506 | FCR0642 | 1562 | FCR0729 | 1618 | fc0814n | 1674 | FCR0884 |
| 1451 | FCR0571 | 1507 | FCR0646 | 1563 | FCR0730 | 1619 | FCR0815 | 1675 | FCR0886 |
| 1452 | FCR0572F | 1508 | FCR0647 | 1564 | FCR0731 | 1620 | FCR0816 | 1676 | FCR0888 |
| 1453 | FCR0572N | 1509 | FCR0648 | 1565 | FCR0734 | 1621 | FCR0817 | 1677 | FCR0889 |
| 1454 | FCR0573 | 1510 | FCR0649 | 1566 | FCR0735 | 1622 | FCR0818 | 1678 | FCR0890 |
| 1455 | FCR0574 | 1511 | FCR0650 | 1567 | FCR0736 | 1623 | FCR0821 | 1679 | FCR0893 |
| 1456 | FCR0575N | 1512 | FCR0651N | 1568 | FCR0739 | 1624 | FCR0822 | 1680 | FCR0894 |

Figure 6B - Continued

| | | | | | | | | | |
|------|----------|------|-----------|------|-----------|------|-----------|------|-----------|
| 1681 | FCR0895 | 1737 | FCR0999 | 1793 | FCR1088 | 1849 | FCR1185N | 1905 | FCR1306 |
| 1682 | fcr0898n | 1738 | fcr1000n | 1794 | FCR1090 | 1850 | fcr1200nn | 1906 | FCR1308N |
| 1683 | FCR0899 | 1739 | FCR1001 | 1795 | FCR1091 | 1851 | FCR1202 | 1907 | FCR1309 |
| 1684 | FCR0900 | 1740 | FCR1003 | 1796 | FCR1092 | 1852 | FCR1203 | 1908 | FCR1310 |
| 1685 | FCR0901 | 1741 | FCR1004n | 1797 | fcr1095 | 1853 | FCR1204 | 1909 | FCR1311 |
| 1686 | FCR0902 | 1742 | FCR1006 | 1798 | FCR1097 | 1854 | FCR1205 | 1910 | FCR1312 |
| 1687 | FCR0903 | 1743 | FCR1007 | 1799 | FCR1098 | 1855 | FCR1206 | 1911 | FCR1313 |
| 1688 | FCR0904 | 1744 | FCR1008 | 1800 | FCR1099 | 1856 | FCR1207 | 1912 | FCR1316 |
| 1689 | FCR0905 | 1745 | FCR1009n | 1801 | fcr1100nn | 1857 | FCR1209 | 1913 | fcr1317nn |
| 1690 | FCR0906 | 1746 | FCR1010 | 1802 | FCR1101 | 1858 | FCR1210 | 1914 | FCR1318 |
| 1691 | FCR0908N | 1747 | FCR1011 | 1803 | FCR1103 | 1859 | FCR1212 | 1915 | FCR1321N |
| 1692 | FCR0909 | 1748 | FCR1012 | 1804 | FCR1104 | 1860 | FCR1218 | 1916 | fcr1322n |
| 1693 | FCR0910 | 1749 | FCR1013 | 1805 | FCR1105N | 1861 | fcr1219nn | 1917 | FCR1323 |
| 1694 | FCR0914 | 1750 | FCR1015 | 1806 | FCR1106 | 1862 | fcr1220nn | 1918 | FCR1324 |
| 1695 | FCR0915 | 1751 | FCR1016 | 1807 | FCR1107N | 1863 | fcr1221n | 1919 | FCR1325 |
| 1696 | FCR0918 | 1752 | FCR1017 | 1808 | FCR1111 | 1864 | FCR1225N | 1920 | FCR1326 |
| 1697 | FCR0919N | 1753 | FCR1018 | 1809 | FCR1113 | 1865 | FCR1226 | 1921 | FCR1327 |
| 1698 | FCR0920 | 1754 | fcr1019nn | 1810 | FCR1114 | 1866 | FCR1235N | 1922 | FCR1328 |
| 1699 | FCR0921 | 1755 | FCR1020 | 1811 | FCR1115 | 1867 | FCR1237N | 1923 | FCR1329 |
| 1700 | fcr0923 | 1756 | fcr1021nn | 1812 | FCR1116 | 1868 | FCR1238N | 1924 | FCR1330N |
| 1701 | FCR0926 | 1757 | FCR1023 | 1813 | FCR1117N | 1869 | FCR1239N | 1925 | FCR1331 |
| 1702 | FCR0927 | 1758 | FCR1029 | 1814 | FCR1119 | 1870 | FCR1241N | 1926 | FCR1332 |
| 1703 | FCR0928 | 1759 | FCR1031 | 1815 | FCR1123 | 1871 | FCR1242N | 1927 | FCR1333 |
| 1704 | FCR0932 | 1760 | FCR1032 | 1816 | fcr1124nn | 1872 | FCR1244 | 1928 | fcr1334 |
| 1705 | FCR0935N | 1761 | FCR1033 | 1817 | FCR1125 | 1873 | FCR1246 | 1929 | FCR1335 |
| 1706 | FCR0937 | 1762 | FCR1036 | 1818 | FCR1126 | 1874 | FCR1247 | 1930 | FCR1336 |
| 1707 | FCR0945 | 1763 | FCR1037 | 1819 | FCR1127 | 1875 | FCR1248 | 1931 | FCR1337 |
| 1708 | FCR0946N | 1764 | FCR1040n | 1820 | FCR1133 | 1876 | FCR1251N | 1932 | FCR1339 |
| 1709 | FCR0947N | 1765 | FCR1041 | 1821 | FCR1134 | 1877 | FCR1252 | 1933 | FCR1340N |
| 1710 | FCR0951 | 1766 | FCR1042 | 1822 | FCR1137 | 1878 | FCR1253 | 1934 | FCR1341 |
| 1711 | FCR0952 | 1767 | FCR1043 | 1823 | FCR1138 | 1879 | FCR1257 | 1935 | FCR1343 |
| 1712 | FCR0954 | 1768 | fcr1044nn | 1824 | FCR1139 | 1880 | FCR1260 | 1936 | FCR1344 |
| 1713 | FCR0955 | 1769 | FCR1045 | 1825 | FCR1140 | 1881 | FCR1261 | 1937 | FCR1345 |
| 1714 | FCR0956 | 1770 | FCR1046 | 1826 | FCR1141N | 1882 | FCR1263N | 1938 | FCR1346 |
| 1715 | FCR0963 | 1771 | FCR1048n | 1827 | FCR1143 | 1883 | FCR1271 | 1939 | FCR1347 |
| 1716 | FCR0964 | 1772 | FCR1052 | 1828 | FCR1146 | 1884 | FCR1273 | 1940 | FCR1348 |
| 1717 | fcr0965n | 1773 | FCR1053 | 1829 | FCR1147 | 1885 | FCR1275 | 1941 | FCR1349 |
| 1718 | FCR0966 | 1774 | FCR1055 | 1830 | FCR1148 | 1886 | FCR1276 | 1942 | FCR1351 |
| 1719 | FCR0967 | 1775 | FCR1056 | 1831 | FCR1149 | 1887 | FCR1277 | 1943 | FCR1352 |
| 1720 | FCR0971 | 1776 | FCR1057 | 1832 | FCR1150 | 1888 | fcr1279nn | 1944 | FCR1353 |
| 1721 | FCR0974 | 1777 | FCR1059 | 1833 | FCR1152 | 1889 | FCR1280 | 1945 | FCR1354 |
| 1722 | FCR0976 | 1778 | FCR1060 | 1834 | FCR1153N | 1890 | FCR1281 | 1946 | FCR1356 |
| 1723 | FCR0977 | 1779 | FCR1061n | 1835 | FCR1156 | 1891 | FCR1283 | 1947 | FCR1359 |
| 1724 | FCR0978 | 1780 | FCR1062 | 1836 | fcr1160nn | 1892 | FCR1285 | 1948 | fcr1360nn |
| 1725 | FCR0984 | 1781 | FCR1063 | 1837 | FCR1163 | 1893 | FCR1286 | 1949 | FCR1361 |
| 1726 | fcr0985n | 1782 | FCR1066 | 1838 | FCR1168 | 1894 | FCR1287 | 1950 | FCR1362 |
| 1727 | FCR0986 | 1783 | FCR1068 | 1839 | FCR1169 | 1895 | FCR1289 | 1951 | FCR1363N |
| 1728 | FCR0988n | 1784 | FCR1072 | 1840 | FCR1170 | 1896 | FCR1290N | 1952 | FCR1365 |
| 1729 | FCR0989n | 1785 | FCR1073 | 1841 | FCR1171N | 1897 | FCR1291 | 1953 | FCR1367 |
| 1730 | FCR0990 | 1786 | FCR1074n | 1842 | FCR1172 | 1898 | fcr1294nn | 1954 | FCR1368 |
| 1731 | FCR0991 | 1787 | FCR1078 | 1843 | FCR1173 | 1899 | FCR1296 | 1955 | FCR1369 |
| 1732 | FCR0992 | 1788 | FCR1079 | 1844 | FCR1174 | 1900 | FCR1298 | 1956 | FCR1370 |
| 1733 | FCR0993 | 1789 | FCR1081 | 1845 | fcr1175n | 1901 | FCR1299 | 1957 | FCR1371 |
| 1734 | FCR0995 | 1790 | FCR1082 | 1846 | FCR1182 | 1902 | FCR1302 | 1958 | FCR1372 |
| 1735 | FCR0996 | 1791 | FCR1083 | 1847 | FCR1183 | 1903 | FCR1304 | 1959 | FCR1373 |
| 1736 | FCR0997 | 1792 | FCR1087n | 1848 | FCR1184 | 1904 | FCR1305 | 1960 | FCR1375 |

Figure 6B – Continued

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|------|-----------|------|-----------|------|-----------|------|-----------|------|-----------|
| 1961 | FCR1376 | 2017 | fcr1449n | 2073 | FCR1529 | 2129 | FCR1652 | 2185 | FCR1774 |
| 1962 | FCR1377 | 2018 | FCR1450 | 2074 | FCR1531 | 2130 | FCR1653 | 2186 | FCR1775 |
| 1963 | FCR1378 | 2019 | FCR1453 | 2075 | FCR1532 | 2131 | FCR1654 | 2187 | FCR1776 |
| 1964 | FCR1379 | 2020 | FCR1454 | 2076 | FCR1533 | 2132 | FCR1655 | 2188 | FCR1777 |
| 1965 | FCR1380N | 2021 | FCR1456 | 2077 | FCR1534 | 2133 | FCR1656N | 2189 | FCR1779 |
| 1966 | FCR1381 | 2022 | FCR1457 | 2078 | FCR1535 | 2134 | FCR1657 | 2190 | fcr1780 |
| 1967 | FCR1382 | 2023 | FCR1458 | 2079 | FCR1536 | 2135 | FCR1658 | 2191 | FCR1781 |
| 1968 | FCR1384 | 2024 | FCR1460 | 2080 | FCR1540 | 2136 | FCR1701 | 2192 | FCR1782 |
| 1969 | FCR1385N | 2025 | FCR1461 | 2081 | FCR1541 | 2137 | FCR1702N | 2193 | FCR1783 |
| 1970 | FCR1386 | 2026 | FCR1462 | 2082 | FCR1542 | 2138 | FCR1704 | 2194 | FCR1784N |
| 1971 | fcr1387n | 2027 | FCR1463 | 2083 | FCR1554 | 2139 | FCR1705 | 2195 | FCR1786 |
| 1972 | FCR1388N | 2028 | FCR1464 | 2084 | FCR1555 | 2140 | FCR1713 | 2196 | FCR1787 |
| 1973 | FCR1389 | 2029 | FCR1465 | 2085 | FCR1556 | 2141 | FCR1714 | 2197 | FCR1790 |
| 1974 | FCR1390 | 2030 | FCR1466 | 2086 | FCR1557 | 2142 | FCR1716 | 2198 | FCR1791 |
| 1975 | FCR1391N | 2031 | FCR1468 | 2087 | FCR1558 | 2143 | FCR1717 | 2199 | FCR1792 |
| 1976 | FCR1392 | 2032 | fcr1469nn | 2088 | fcr1559n | 2144 | FCR1719 | 2200 | FCR1795 |
| 1977 | FCR1393 | 2033 | FCR1470 | 2089 | FCR1561 | 2145 | FCR1720 | 2201 | FCR1797 |
| 1978 | FCR1394 | 2034 | FCR1472 | 2090 | FCR1562 | 2146 | FCR1724 | 2202 | FCR1817 |
| 1979 | FCR1395 | 2035 | FCR1473 | 2091 | FCR1563 | 2147 | FCR1726 | 2203 | FCR1818 |
| 1980 | FCR1396 | 2036 | FCR1475 | 2092 | FCR1565 | 2148 | fcr1727n | 2204 | FCR1819 |
| 1981 | FCR1399 | 2037 | FCR1477 | 2093 | FCR1566 | 2149 | fcr1728nn | 2205 | FCR1820 |
| 1982 | FCR1400 | 2038 | FCR1478 | 2094 | fcr1579nn | 2150 | FCR1729 | 2206 | fcr1821nn |
| 1983 | FCR1402 | 2039 | FCR1479 | 2095 | FCR1580 | 2151 | FCR1731 | 2207 | FCR1823 |
| 1984 | FCR1404 | 2040 | FCR1481 | 2096 | FCR1582 | 2152 | FCR1732 | 2208 | FCR1826 |
| 1985 | FCR1405N | 2041 | FCR1483 | 2097 | FCR1585 | 2153 | FCR1735 | 2209 | FCR1828 |
| 1986 | FCR1407N | 2042 | FCR1484 | 2098 | FCR1587 | 2154 | fcr1736n | 2210 | FCR1829 |
| 1987 | FCR1408 | 2043 | FCR1485 | 2099 | FCR1589 | 2155 | FCR1737 | 2211 | FCR1830 |
| 1988 | FCR1411 | 2044 | FCR1486 | 2100 | fcr1590nn | 2156 | FCR1738N | 2212 | FCR1831 |
| 1989 | FCR1414 | 2045 | FCR1487 | 2101 | FCR1596N | 2157 | FCR1740 | 2213 | FCR1832 |
| 1990 | FCR1415 | 2046 | FCR1489 | 2102 | fcr1597 | 2158 | FCR1741 | 2214 | FCR1833 |
| 1991 | fcr1416nn | 2047 | FCR1490 | 2103 | FCR1598N | 2159 | FCR1742 | 2215 | FCR1836 |
| 1992 | fcr1418 | 2048 | FCR1492 | 2104 | FCR1599N | 2160 | fcr1743nn | 2216 | FCR1837N |
| 1993 | FCR1419 | 2049 | FCR1493 | 2105 | FCR1604 | 2161 | FCR1745 | 2217 | FCR1838 |
| 1994 | FCR1420 | 2050 | FCR1494 | 2106 | FCR1605 | 2162 | FCR1746 | 2218 | FCR1839N |
| 1995 | FCR1421N | 2051 | FCR1495N | 2107 | FCR1608 | 2163 | FCR1747 | 2219 | fcr1840nn |
| 1996 | FCR1422 | 2052 | FCR1496 | 2108 | FCR1609 | 2164 | FCR1748 | 2220 | FCR1844 |
| 1997 | FCR1423 | 2053 | fcr1497n | 2109 | FCR1611 | 2165 | FCR1749 | 2221 | FCR1845 |
| 1998 | FCR1425 | 2054 | FCR1498 | 2110 | FCR1612 | 2166 | FCR1750 | 2222 | FCR1848 |
| 1999 | FCR1426 | 2055 | FCR1499 | 2111 | FCR1614 | 2167 | fcr1752nn | 2223 | FCR1852 |
| 2000 | FCR1427 | 2056 | FCR1502 | 2112 | fcr1616nn | 2168 | FCR1753N | 2224 | FCR1853 |
| 2001 | FCR1428 | 2057 | FCR1503 | 2113 | FCR1619 | 2169 | FCR1754 | 2225 | FCR1855 |
| 2002 | FCR1429 | 2058 | FCR1504 | 2114 | FCR1621 | 2170 | FCR1755 | 2226 | FCR1857 |
| 2003 | FCR1430 | 2059 | FCR1507 | 2115 | FCR1623 | 2171 | FCR1756 | 2227 | FCR1858 |
| 2004 | FCR1431 | 2060 | FCR1509 | 2116 | FCR1625 | 2172 | FCR1757 | 2228 | FCR1859 |
| 2005 | FCR1434 | 2061 | FCR1510 | 2117 | FCR1626 | 2173 | FCR1758 | 2229 | FCR1860 |
| 2006 | FCR1435 | 2062 | FCR1511 | 2118 | FCR1627 | 2174 | FCR1759N | 2230 | FCR1861 |
| 2007 | FCR1436 | 2063 | FCR1512 | 2119 | FCR1629 | 2175 | FCR1760 | 2231 | FCR1879N |
| 2008 | FCR1438 | 2064 | FCR1514 | 2120 | FCR1633 | 2176 | fcr1761nn | 2232 | FCR1880 |
| 2009 | FCR1439 | 2065 | FCR1515N | 2121 | FCR1638 | 2177 | FCR1762 | 2233 | FCR1881N |
| 2010 | fcr1440 | 2066 | FCR1516 | 2122 | FCR1642 | 2178 | FCR1763 | 2234 | FCR1883N |
| 2011 | FCR1442 | 2067 | FCR1521 | 2123 | FCR1643 | 2179 | FCR1764 | 2235 | FCR1885 |
| 2012 | FCR1443N | 2068 | FCR1522 | 2124 | FCR1644 | 2180 | FCR1768 | 2236 | FCR1887 |
| 2013 | FCR1445 | 2069 | fcr1524nn | 2125 | FCR1645 | 2181 | FCR1769 | 2237 | FCR1891 |
| 2014 | FCR1446 | 2070 | FCR1525 | 2126 | FCR1646 | 2182 | FCR1770 | 2238 | FCR1900N |
| 2015 | fcr1447n | 2071 | FCR1526 | 2127 | FCR1647 | 2183 | FCR1771 | 2239 | FCR1905 |
| 2016 | FCR1448 | 2072 | FCR1528 | 2128 | FCR1651 | 2184 | FCR1772 | 2240 | FCR1907 |

Figure 6B - Continued

| | | | | | | | | | |
|------|-----------|------|-----------|------|-----------|------|----------|------|----------|
| 2241 | FCR1908N | 2297 | FCR1985 | 2353 | FCR2067 | 2409 | FCR2140 | 2465 | FCR2231 |
| 2242 | FCR1909 | 2298 | FCR1986 | 2354 | FCR2068 | 2410 | FCR2141 | 2466 | FCR2233 |
| 2243 | FCR1910 | 2299 | FCR1987 | 2355 | FCR2069 | 2411 | FCR2142 | 2467 | FCR2234 |
| 2244 | FCR1912 | 2300 | FCR1989 | 2356 | FCR2073 | 2412 | FCR2143 | 2468 | FCR2235N |
| 2245 | FCR1913 | 2301 | FCR1990 | 2357 | FCR2074 | 2413 | FCR2144 | 2469 | FCR2237N |
| 2246 | FCR1914 | 2302 | FCR1991 | 2358 | FCR2075 | 2414 | FCR2146 | 2470 | FCR2239 |
| 2247 | FCR1918 | 2303 | FCR1992 | 2359 | FCR2076 | 2415 | FCR2147 | 2471 | FCR2240 |
| 2248 | FCR1919 | 2304 | FCR1993 | 2360 | fc2078n | 2416 | FCR2148 | 2472 | FCR2241 |
| 2249 | FCR1921 | 2305 | FCR1994 | 2361 | FCR2079 | 2417 | FCR2149 | 2473 | FCR2242 |
| 2250 | FCR1922 | 2306 | FCR1995 | 2362 | FCR2080 | 2418 | FCR2152 | 2474 | FCR2243 |
| 2251 | FCR1925 | 2307 | FCR1997 | 2363 | FCR2081 | 2419 | FCR2153 | 2475 | FCR2246 |
| 2252 | FCR1926 | 2308 | FCR1998 | 2364 | fc2082n | 2420 | fc2157nn | 2476 | FCR2248N |
| 2253 | FCR1927 | 2309 | FCR1999 | 2365 | FCR2083 | 2421 | fc2158n | 2477 | fc2249nn |
| 2254 | fc21928n | 2310 | FCR2000 | 2366 | FCR2088 | 2422 | fc2159n | 2478 | FCR2250 |
| 2255 | FCR1929 | 2311 | FCR2002 | 2367 | FCR2089 | 2423 | FCR2160 | 2479 | FCR2251 |
| 2256 | FCR1930 | 2312 | FCR2003 | 2368 | FCR2090N | 2424 | FCR2161 | 2480 | FCR2253 |
| 2257 | FCR1931 | 2313 | FCR2005N | 2369 | FCR2092 | 2425 | FCR2164 | 2481 | FCR2255 |
| 2258 | FCR1932 | 2314 | FCR2006 | 2370 | FCR2093N | 2426 | FCR2165 | 2482 | FCR2256 |
| 2259 | fc21936nn | 2315 | FCR2007 | 2371 | FCR2095 | 2427 | FCR2166 | 2483 | fc2264nn |
| 2260 | fc21937nn | 2316 | FCR2008 | 2372 | FCR2096 | 2428 | FCR2167 | 2484 | FCR2265 |
| 2261 | FCR1938 | 2317 | FCR2009 | 2373 | FCR2097N | 2429 | fc2168n | 2485 | FCR2266 |
| 2262 | FCR1940 | 2318 | FCR2012N | 2374 | FCR2099 | 2430 | FCR2172 | 2486 | FCR2267 |
| 2263 | FCR1941 | 2319 | fc21937nn | 2375 | FCR2102 | 2431 | FCR2174N | 2487 | FCR2268 |
| 2264 | FCR1942 | 2320 | FCR2014 | 2376 | FCR2103 | 2432 | FCR2175 | 2488 | FCR2269 |
| 2265 | FCR1943 | 2321 | FCR2015 | 2377 | FCR2105 | 2433 | FCR2178 | 2489 | FCR2273 |
| 2266 | FCR1945 | 2322 | FCR2016 | 2378 | FCR2106 | 2434 | FCR2180N | 2490 | FCR2274 |
| 2267 | FCR1946N | 2323 | fc21937nn | 2379 | FCR2107 | 2435 | FCR2182 | 2491 | FCR2275 |
| 2268 | FCR1947 | 2324 | FCR2018 | 2380 | FCR2108 | 2436 | FCR2185 | 2492 | FCR2276 |
| 2269 | FCR1948 | 2325 | FCR2019N | 2381 | FCR2109 | 2437 | FCR2186 | 2493 | FCR2277 |
| 2270 | FCR1949 | 2326 | FCR2020 | 2382 | FCR2110 | 2438 | FCR2187 | 2494 | FCR2278 |
| 2271 | FCR1951 | 2327 | FCR2026 | 2383 | FCR2113 | 2439 | FCR2188 | 2495 | fc2279n |
| 2272 | FCR1953 | 2328 | fc21937nn | 2384 | FCR2114 | 2440 | FCR2189 | 2496 | FCR2280 |
| 2273 | FCR1955 | 2329 | FCR2030 | 2385 | FCR2115 | 2441 | FCR2190 | 2497 | FCR2281 |
| 2274 | FCR1957N | 2330 | FCR2032 | 2386 | FCR2116 | 2442 | FCR2192 | 2498 | FCR2282 |
| 2275 | FCR1959 | 2331 | FCR2034N | 2387 | FCR2117 | 2443 | FCR2193N | 2499 | FCR2283 |
| 2276 | fc21960nn | 2332 | FCR2035 | 2388 | FCR2118 | 2444 | FCR2195 | 2500 | FCR2284 |
| 2277 | FCR1961 | 2333 | FCR2037 | 2389 | FCR2119 | 2445 | FCR2196 | 2501 | FCR2285 |
| 2278 | FCR1963 | 2334 | FCR2038 | 2390 | FCR2120 | 2446 | FCR2198 | 2502 | FCR2286 |
| 2279 | FCR1964 | 2335 | FCR2039 | 2391 | fc21937nn | 2447 | FCR2199 | 2503 | FCR2287 |
| 2280 | fc21965 | 2336 | FCR2040 | 2392 | FCR2122 | 2448 | FCR2200 | 2504 | fc2288nn |
| 2281 | FCR1967 | 2337 | FCR2041 | 2393 | FCR2123 | 2449 | FCR2201 | 2505 | FCR2289 |
| 2282 | fc21969nn | 2338 | FCR2042 | 2394 | FCR2124 | 2450 | fc2202n | 2506 | FCR2290 |
| 2283 | FCR1970 | 2339 | FCR2043 | 2395 | FCR2125 | 2451 | FCR2203 | 2507 | FCR2292 |
| 2284 | FCR1971 | 2340 | FCR2044 | 2396 | FCR2126 | 2452 | FCR2207 | 2508 | FCR2293 |
| 2285 | FCR1972 | 2341 | FCR2045 | 2397 | FCR2127 | 2453 | FCR2208 | 2509 | FCR2294 |
| 2286 | FCR1973 | 2342 | FCR2046 | 2398 | FCR2128 | 2454 | FCR2209 | 2510 | FCR2295 |
| 2287 | FCR1974 | 2343 | FCR2047 | 2399 | FCR2129 | 2455 | FCR2210 | 2511 | FCR2296 |
| 2288 | FCR1975 | 2344 | FCR2049 | 2400 | FCR2130 | 2456 | FCR2215 | 2512 | FCR2297 |
| 2289 | FCR1976 | 2345 | FCR2051 | 2401 | FCR2131 | 2457 | FCR2216 | 2513 | fc2298n |
| 2290 | fc21977nn | 2346 | FCR2052 | 2402 | FCR2132 | 2458 | FCR2218 | 2514 | FCR2299 |
| 2291 | fc21978nn | 2347 | fc21937nn | 2403 | FCR2134 | 2459 | FCR2220 | 2515 | FCR2301 |
| 2292 | FCR1979 | 2348 | FCR2054 | 2404 | FCR2135 | 2460 | FCR2224 | 2516 | fc2302n |
| 2293 | FCR1980 | 2349 | FCR2055 | 2405 | FCR2136 | 2461 | FCR2227 | 2517 | FCR2303 |
| 2294 | FCR1981 | 2350 | FCR2056 | 2406 | fc21937nn | 2462 | FCR2228 | 2518 | FCR2304N |
| 2295 | FCR1983 | 2351 | FCR2058 | 2407 | FCR2138N | 2463 | FCR2229 | 2519 | FCR2306 |
| 2296 | FCR1984 | 2352 | FCR2062 | 2408 | FCR2139 | 2464 | FCR2230 | 2520 | FCR2307 |

Figure 6B - Continued

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|------|-----------|------|-----------|------|-----------|------|-----------|------|-----------|
| 2521 | FCR2308 | 2577 | FCR2430 | 2633 | FCR2547N | 2689 | FCR2665 | 2745 | FCR2763 |
| 2522 | FCR2310 | 2578 | FCR2432N | 2634 | fcr2554nn | 2690 | FCR2667 | 2746 | fcr2764nn |
| 2523 | FCR2311 | 2579 | FCR2433 | 2635 | fcr2556n | 2691 | FCR2669 | 2747 | FCR2765 |
| 2524 | FCR2312 | 2580 | FCR2435 | 2636 | FCR2562 | 2692 | FCR2671 | 2748 | FCR2766 |
| 2525 | FCR2313N | 2581 | FCR2437 | 2637 | FCR2569 | 2693 | FCR2672 | 2749 | FCR2769 |
| 2526 | FCR2314 | 2582 | FCR2442 | 2638 | fcr2571n | 2694 | FCR2673 | 2750 | FCR2770 |
| 2527 | FCR2316 | 2583 | FCR2443 | 2639 | FCR2572 | 2695 | FCR2679 | 2751 | FCR2771 |
| 2528 | FCR2317 | 2584 | FCR2444 | 2640 | FCR2573 | 2696 | FCR2681 | 2752 | FCR2772 |
| 2529 | FCR2319 | 2585 | FCR2445 | 2641 | FCR2580 | 2697 | FCR2682N | 2753 | FCR2775N |
| 2530 | FCR2320 | 2586 | FCR2447 | 2642 | FCR2581 | 2698 | FCR2683 | 2754 | FCR2776 |
| 2531 | FCR2321 | 2587 | FCR2449 | 2643 | FCR2582 | 2699 | FCR2684 | 2755 | FCR2778 |
| 2532 | FCR2322 | 2588 | FCR2450 | 2644 | FCR2585 | 2700 | FCR2685 | 2756 | FCR2779 |
| 2533 | FCR2323 | 2589 | FCR2472 | 2645 | FCR2587 | 2701 | FCR2686 | 2757 | FCR2781 |
| 2534 | FCR2326 | 2590 | FCR2473 | 2646 | fcr2588n | 2702 | FCR2687 | 2758 | FCR2782 |
| 2535 | FCR2327 | 2591 | FCR2474 | 2647 | fcr2589n | 2703 | FCR2688 | 2759 | FCR2784N |
| 2536 | FCR2328N | 2592 | FCR2475 | 2648 | fcr2591n | 2704 | FCR2689 | 2760 | FCR2798 |
| 2537 | FCR2329 | 2593 | fcr2476n | 2649 | FCR2593 | 2705 | FCR2692 | 2761 | FCR2801 |
| 2538 | FCR2330 | 2594 | FCR2477 | 2650 | FCR2596 | 2706 | FCR2694 | 2762 | FCR2802 |
| 2539 | FCR2331 | 2595 | FCR2480 | 2651 | FCR2598 | 2707 | FCR2698 | 2763 | FCR2806 |
| 2540 | FCR2332 | 2596 | FCR2481 | 2652 | FCR2600 | 2708 | FCR2700 | 2764 | FCR2807 |
| 2541 | FCR2333 | 2597 | FCR2482 | 2653 | FCR2601 | 2709 | FCR2702 | 2765 | FCR2809 |
| 2542 | fcr2334nn | 2598 | FCR2484 | 2654 | FCR2602 | 2710 | FCR2704 | 2766 | FCR2810 |
| 2543 | FCR2335 | 2599 | FCR2485 | 2655 | fcr2605n | 2711 | fcr2707nn | 2767 | FCR2812 |
| 2544 | FCR2336 | 2600 | fcr2486nn | 2656 | FCR2607 | 2712 | FCR2711 | 2768 | FCR2813 |
| 2545 | FCR2337 | 2601 | FCR2490 | 2657 | FCR2608 | 2713 | FCR2712 | 2769 | FCR2814N |
| 2546 | FCR2338 | 2602 | FCR2491 | 2658 | FCR2609 | 2714 | FCR2714 | 2770 | fcr2815nn |
| 2547 | FCR2339 | 2603 | FCR2492N | 2659 | FCR2610 | 2715 | FCR2716 | 2771 | FCR2817 |
| 2548 | FCR2340 | 2604 | FCR2493 | 2660 | FCR2611 | 2716 | FCR2718 | 2772 | FCR2818 |
| 2549 | FCR2341 | 2605 | FCR2494 | 2661 | FCR2612 | 2717 | FCR2719 | 2773 | FCR2821 |
| 2550 | FCR2342 | 2606 | fcr2495nn | 2662 | fcr2618 | 2718 | FCR2720 | 2774 | FCR2822 |
| 2551 | FCR2343 | 2607 | FCR2498 | 2663 | FCR2619 | 2719 | FCR2721 | 2775 | FCR2823 |
| 2552 | FCR2345 | 2608 | FCR2499 | 2664 | FCR2620 | 2720 | FCR2722 | 2776 | FCR2824 |
| 2553 | FCR2349 | 2609 | FCR2500 | 2665 | FCR2621 | 2721 | FCR2724 | 2777 | FCR2836 |
| 2554 | FCR2351 | 2610 | FCR2501 | 2666 | fcr2622n | 2722 | FCR2726 | 2778 | FCR2838 |
| 2555 | fcr2352n | 2611 | FCR2503 | 2667 | fcr2624n | 2723 | FCR2727 | 2779 | FCR2840 |
| 2556 | FCR2354 | 2612 | FCR2504 | 2668 | fcr2625n | 2724 | FCR2729 | 2780 | FCR2841 |
| 2557 | FCR2355 | 2613 | fcr2505nn | 2669 | FCR2626 | 2725 | fcr2732nn | 2781 | FCR2842N |
| 2558 | FCR2356N | 2614 | FCR2507 | 2670 | FCR2627 | 2726 | FCR2735 | 2782 | FCR2848N |
| 2559 | FCR2357 | 2615 | FCR2508 | 2671 | FCR2628 | 2727 | FCR2737 | 2783 | FCR2853N |
| 2560 | FCR2358 | 2616 | FCR2509 | 2672 | FCR2629 | 2728 | FCR2738 | 2784 | FCR2859 |
| 2561 | FCR2361 | 2617 | FCR2510 | 2673 | FCR2631 | 2729 | FCR2740 | 2785 | FCR2860 |
| 2562 | FCR2362 | 2618 | FCR2511 | 2674 | FCR2633 | 2730 | FCR2741 | 2786 | FCR2861 |
| 2563 | FCR2410 | 2619 | FCR2512 | 2675 | FCR2636 | 2731 | FCR2742N | 2787 | FCR2864 |
| 2564 | FCR2411 | 2620 | FCR2528N | 2676 | FCR2637N | 2732 | FCR2743 | 2788 | FCR2867 |
| 2565 | FCR2412 | 2621 | FCR2530 | 2677 | FCR2638 | 2733 | FCR2746 | 2789 | FCR2868 |
| 2566 | FCR2414 | 2622 | FCR2531 | 2678 | FCR2640 | 2734 | FCR2749 | 2790 | FCR2869 |
| 2567 | fcr2415n | 2623 | FCR2535 | 2679 | FCR2641 | 2735 | FCR2750 | 2791 | FCR2872 |
| 2568 | FCR2416 | 2624 | FCR2536 | 2680 | FCR2642 | 2736 | FCR2752N | 2792 | FCR2873 |
| 2569 | FCR2417 | 2625 | FCR2537 | 2681 | FCR2644 | 2737 | FCR2753 | 2793 | FCR2877 |
| 2570 | FCR2418 | 2626 | fcr2538nn | 2682 | FCR2646 | 2738 | FCR2755 | 2794 | FCR2878 |
| 2571 | FCR2419 | 2627 | fcr2539nn | 2683 | FCR2647 | 2739 | FCR2756 | 2795 | FCR2882 |
| 2572 | FCR2420 | 2628 | FCR2540 | 2684 | FCR2648 | 2740 | FCR2757 | 2796 | FCR2883 |
| 2573 | FCR2421 | 2629 | FCR2541 | 2685 | FCR2660 | 2741 | FCR2759 | 2797 | FCR2884 |
| 2574 | FCR2424 | 2630 | FCR2542N | 2686 | FCR2661 | 2742 | fcr2760nn | 2798 | FCR2885 |
| 2575 | FCR2425 | 2631 | FCR2543 | 2687 | FCR2662 | 2743 | FCR2761 | 2799 | FCR2886 |
| 2576 | FCR2427 | 2632 | FCR2546N | 2688 | fcr2664n | 2744 | FCR2762 | 2800 | FCR2889 |

Figure 6B - Continued

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|------|----------|------|----------|------|----------|------|----------|------|---------|
| 2801 | FCR2890 | 2857 | FCR2980 | 2913 | FCR3063 | 2969 | FCR3145 | 3025 | fc3295 |
| 2802 | FCR2891 | 2858 | FCR2982 | 2914 | FCR3064 | 2970 | fc3146 | 3026 | FCR3297 |
| 2803 | FCR2892 | 2859 | FCR2984 | 2915 | FCR3065 | 2971 | FCR3147N | 3027 | FCR3298 |
| 2804 | FCR2893 | 2860 | fc2985n | 2916 | FCR3066 | 2972 | fc3148 | 3028 | FCR3299 |
| 2805 | FCR2896 | 2861 | FCR2986 | 2917 | FCR3067 | 2973 | fc3149 | 3029 | FCR3301 |
| 2806 | FCR2897 | 2862 | FCR2987 | 2918 | FCR3068 | 2974 | FCR3151 | 3030 | FCR3306 |
| 2807 | fc2898nn | 2863 | FCR2988 | 2919 | FCR3069 | 2975 | FCR3152 | 3031 | FCR3312 |
| 2808 | FCR2906 | 2864 | FCR2989 | 2920 | FCR3070 | 2976 | FCR3153 | 3032 | fc3318n |
| 2809 | FCR2907 | 2865 | FCR2990 | 2921 | FCR3071 | 2977 | FCR3155 | 3033 | FCR3320 |
| 2810 | FCR2908 | 2866 | FCR2991 | 2922 | FCR3072N | 2978 | FCR3156 | 3034 | fc3321n |
| 2811 | FCR2909 | 2867 | FCR2999 | 2923 | FCR3073 | 2979 | FCR3158 | 3035 | FCR3322 |
| 2812 | fc2911n | 2868 | FCR3001 | 2924 | FCR3074 | 2980 | FCR3159 | 3036 | FCR3323 |
| 2813 | FCR2912N | 2869 | FCR3004N | 2925 | FCR3075N | 2981 | FCR3163 | 3037 | FCR3327 |
| 2814 | FCR2913N | 2870 | FCR3005 | 2926 | FCR3076 | 2982 | FCR3165 | 3038 | FCR3328 |
| 2815 | FCR2914N | 2871 | FCR3006 | 2927 | FCR3077 | 2983 | FCR3167 | 3039 | fc3331n |
| 2816 | FCR2915 | 2872 | FCR3007 | 2928 | FCR3078 | 2984 | FCR3168 | 3040 | FCR3332 |
| 2817 | FCR2917 | 2873 | FCR3008 | 2929 | FCR3079 | 2985 | FCR3169 | 3041 | FCR3338 |
| 2818 | FCR2918 | 2874 | FCR3009 | 2930 | FCR3080 | 2986 | FCR3170 | 3042 | FCR3355 |
| 2819 | FCR2920 | 2875 | FCR3010 | 2931 | FCR3081 | 2987 | FCR3171 | 3043 | FCR3357 |
| 2820 | FCR2921 | 2876 | FCR3013 | 2932 | FCR3083 | 2988 | FCR3173N | 3044 | FCR3359 |
| 2821 | FCR2923 | 2877 | FCR3014 | 2933 | FCR3085N | 2989 | FCR3174 | 3045 | FCR3361 |
| 2822 | FCR2927 | 2878 | FCR3016 | 2934 | FCR3092 | 2990 | FCR3175 | 3046 | FCR3364 |
| 2823 | FCR2929 | 2879 | FCR3018 | 2935 | FCR3094 | 2991 | FCR3178 | 3047 | FCR3367 |
| 2824 | FCR2935 | 2880 | FCR3019 | 2936 | FCR3097 | 2992 | FCR3179 | 3048 | fc3368n |
| 2825 | FCR2937 | 2881 | FCR3020 | 2937 | FCR3098 | 2993 | FCR3180 | 3049 | FCR3369 |
| 2826 | fc2938n | 2882 | FCR3021 | 2938 | FCR3100 | 2994 | FCR3181 | 3050 | FCR3370 |
| 2827 | FCR2939N | 2883 | FCR3022 | 2939 | FCR3101 | 2995 | FCR3185 | 3051 | FCR3371 |
| 2828 | FCR2940 | 2884 | FCR3023 | 2940 | FCR3102 | 2996 | FCR3187 | 3052 | FCR3372 |
| 2829 | FCR2941 | 2885 | FCR3024N | 2941 | FCR3104 | 2997 | fc3188 | 3053 | fc3375n |
| 2830 | FCR2946 | 2886 | FCR3025 | 2942 | FCR3106 | 2998 | FCR3189 | 3054 | FCR3376 |
| 2831 | FCR2947 | 2887 | FCR3029 | 2943 | fc3108 | 2999 | FCR3193 | 3055 | FCR3377 |
| 2832 | FCR2949 | 2888 | FCR3030 | 2944 | fc3109 | 3000 | FCR3199 | 3056 | FCR3378 |
| 2833 | FCR2950 | 2889 | FCR3032 | 2945 | fc3110 | 3001 | FCR3200 | 3057 | FCR3379 |
| 2834 | FCR2951 | 2890 | FCR3033 | 2946 | fc3111 | 3002 | FCR3201 | 3058 | FCR3380 |
| 2835 | FCR2952 | 2891 | FCR3034 | 2947 | FCR3112 | 3003 | FCR3203 | 3059 | FCR3381 |
| 2836 | FCR2953 | 2892 | FCR3035 | 2948 | FCR3113 | 3004 | fc3206n | 3060 | FCR3382 |
| 2837 | FCR2955 | 2893 | FCR3037N | 2949 | fc3114 | 3005 | FCR3254 | 3061 | FCR3384 |
| 2838 | FCR2957 | 2894 | fc3038 | 2950 | FCR3115N | 3006 | fc3256 | 3062 | FCR3386 |
| 2839 | FCR2958 | 2895 | FCR3039 | 2951 | fc3117 | 3007 | FCR3259 | 3063 | FCR3387 |
| 2840 | FCR2959 | 2896 | FCR3042 | 2952 | FCR3118 | 3008 | FCR3260 | 3064 | FCR3389 |
| 2841 | FCR2960 | 2897 | FCR3043 | 2953 | FCR3119 | 3009 | FCR3266 | 3065 | fc3392n |
| 2842 | FCR2961 | 2898 | FCR3045 | 2954 | FCR3121 | 3010 | FCR3267 | 3066 | FCR3396 |
| 2843 | FCR2962 | 2899 | FCR3046N | 2955 | FCR3122 | 3011 | FCR3269 | 3067 | FCR3397 |
| 2844 | FCR2963 | 2900 | FCR3047 | 2956 | fc3124n | 3012 | FCR3270 | 3068 | FCR3398 |
| 2845 | FCR2966 | 2901 | FCR3049 | 2957 | FCR3125 | 3013 | FCR3271 | 3069 | FCR3399 |
| 2846 | FCR2967 | 2902 | FCR3050 | 2958 | FCR3126 | 3014 | FCR3272 | 3070 | FCR3400 |
| 2847 | FCR2968 | 2903 | FCR3051 | 2959 | FCR3132 | 3015 | FCR3274 | 3071 | FCR3401 |
| 2848 | FCR2969 | 2904 | FCR3052N | 2960 | fc3133 | 3016 | FCR3275 | 3072 | FCR3402 |
| 2849 | FCR2970 | 2905 | FCR3053 | 2961 | FCR3134N | 3017 | FCR3276 | 3073 | fc3410 |
| 2850 | FCR2972 | 2906 | FCR3054 | 2962 | fc3138 | 3018 | FCR3277 | 3074 | FCR3416 |
| 2851 | FCR2973 | 2907 | FCR3056 | 2963 | FCR3139 | 3019 | FCR3278 | 3075 | FCR3418 |
| 2852 | FCR2974 | 2908 | FCR3057 | 2964 | fc3140 | 3020 | FCR3282 | 3076 | fc3422 |
| 2853 | FCR2975 | 2909 | FCR3058 | 2965 | fc3141 | 3021 | FCR3283 | 3077 | FCR3424 |
| 2854 | FCR2977 | 2910 | FCR3060 | 2966 | fc3142 | 3022 | FCR3286 | 3078 | FCR3430 |
| 2855 | FCR2978 | 2911 | FCR3061 | 2967 | FCR3143 | 3023 | FCR3287 | 3079 | FCR3431 |
| 2856 | fc2979n | 2912 | FCR3062 | 2968 | fc3144 | 3024 | FCR3290 | 3080 | FCR3435 |

Figure 6B - Continued

| | | | | | | | | | |
|------|---------|------|---------|------|---------|------|---------|------|---------|
| 3081 | FCR3436 | 3137 | FCR3540 | 3193 | FCR3626 | 3249 | fc3720n | 3305 | FCR3803 |
| 3082 | FCR3440 | 3138 | FCR3541 | 3194 | FCR3629 | 3250 | fc3721n | 3306 | fc3805n |
| 3083 | FCR3441 | 3139 | FCR3542 | 3195 | FCR3632 | 3251 | FCR3723 | 3307 | fc3806n |
| 3084 | FCR3443 | 3140 | FCR3543 | 3196 | fc3633 | 3252 | FCR3724 | 3308 | fc3809n |
| 3085 | FCR3445 | 3141 | FCR3545 | 3197 | fc3635n | 3253 | FCR3725 | 3309 | fc3810N |
| 3086 | FCR3447 | 3142 | FCR3548 | 3198 | FCR3637 | 3254 | fc3726n | 3310 | FCR3812 |
| 3087 | FCR3449 | 3143 | FCR3549 | 3199 | FCR3639 | 3255 | FCR3727 | 3311 | FCR3813 |
| 3088 | FCR3451 | 3144 | FCR3550 | 3200 | FCR3654 | 3256 | FCR3728 | 3312 | fc3815N |
| 3089 | FCR3453 | 3145 | fc3551n | 3201 | fc3655n | 3257 | FCR3729 | 3313 | FCR3816 |
| 3090 | FCR3455 | 3146 | fc3553n | 3202 | FCR3656 | 3258 | fc3730 | 3314 | fc3817n |
| 3091 | fc3457n | 3147 | FCR3554 | 3203 | FCR3657 | 3259 | FCR3731 | 3315 | FCR3818 |
| 3092 | FCR3458 | 3148 | FCR3555 | 3204 | FCR3658 | 3260 | FCR3732 | 3316 | FCR3819 |
| 3093 | FCR3460 | 3149 | FCR3557 | 3205 | FCR3660 | 3261 | FCR3733 | 3317 | FCR3821 |
| 3094 | FCR3461 | 3150 | FCR3559 | 3206 | FCR3661 | 3262 | FCR3734 | 3318 | FCR3822 |
| 3095 | fc3462 | 3151 | FCR3560 | 3207 | FCR3662 | 3263 | FCR3735 | 3319 | FCR3823 |
| 3096 | FCR3463 | 3152 | FCR3561 | 3208 | FCR3663 | 3264 | FCR3736 | 3320 | FCR3825 |
| 3097 | FCR3464 | 3153 | fc3562n | 3209 | FCR3664 | 3265 | fc3739n | 3321 | FCR3826 |
| 3098 | FCR3466 | 3154 | FCR3564 | 3210 | FCR3665 | 3266 | FCR3740 | 3322 | fc3827 |
| 3099 | FCR3467 | 3155 | FCR3565 | 3211 | fc3666 | 3267 | FCR3743 | 3323 | FCR3829 |
| 3100 | FCR3469 | 3156 | FCR3566 | 3212 | fc3667n | 3268 | FCR3744 | 3324 | FCR3831 |
| 3101 | FCR3471 | 3157 | FCR3568 | 3213 | fc3670n | 3269 | FCR3746 | 3325 | FCR3832 |
| 3102 | FCR3472 | 3158 | FCR3569 | 3214 | fc3673 | 3270 | FCR3747 | 3326 | FCR3833 |
| 3103 | FCR3478 | 3159 | FCR3570 | 3215 | fc3675n | 3271 | FCR3749 | 3327 | FCR3835 |
| 3104 | FCR3479 | 3160 | FCR3571 | 3216 | fc3676n | 3272 | FCR3750 | 3328 | fc3837N |
| 3105 | FCR3482 | 3161 | FCR3574 | 3217 | fc3677n | 3273 | FCR3752 | 3329 | FCR3839 |
| 3106 | FCR3483 | 3162 | FCR3575 | 3218 | fc3678n | 3274 | FCR3754 | 3330 | FCR3840 |
| 3107 | FCR3485 | 3163 | FCR3576 | 3219 | fc3679n | 3275 | fc3756 | 3331 | FCR3841 |
| 3108 | FCR3487 | 3164 | FCR3577 | 3220 | FCR3680 | 3276 | fc3757 | 3332 | FCR3843 |
| 3109 | FCR3488 | 3165 | FCR3579 | 3221 | fc3682n | 3277 | fc3758 | 3333 | FCR3845 |
| 3110 | FCR3490 | 3166 | FCR3580 | 3222 | FCR3685 | 3278 | FCR3759 | 3334 | fc3847 |
| 3111 | FCR3491 | 3167 | FCR3581 | 3223 | FCR3686 | 3279 | FCR3760 | 3335 | fc3849n |
| 3112 | FCR3492 | 3168 | FCR3582 | 3224 | FCR3687 | 3280 | FCR3761 | 3336 | fc3851n |
| 3113 | fc3494n | 3169 | FCR3584 | 3225 | fc3689 | 3281 | FCR3763 | 3337 | fc3852n |
| 3114 | fc3495n | 3170 | FCR3585 | 3226 | FCR3690 | 3282 | FCR3764 | 3338 | fc3853 |
| 3115 | FCR3497 | 3171 | FCR3586 | 3227 | FCR3691 | 3283 | FCR3766 | 3339 | FCR3856 |
| 3116 | FCR3498 | 3172 | FCR3587 | 3228 | FCR3695 | 3284 | FCR3768 | 3340 | FCR3857 |
| 3117 | FCR3500 | 3173 | FCR3590 | 3229 | FCR3698 | 3285 | FCR3769 | 3341 | FCR3858 |
| 3118 | FCR3503 | 3174 | FCR3592 | 3230 | FCR3699 | 3286 | FCR3770 | 3342 | FCR3861 |
| 3119 | FCR3504 | 3175 | FCR3593 | 3231 | FCR3700 | 3287 | FCR3772 | 3343 | fc3863N |
| 3120 | FCR3505 | 3176 | FCR3594 | 3232 | FCR3701 | 3288 | fc3773 | 3344 | FCR3865 |
| 3121 | FCR3508 | 3177 | FCR3595 | 3233 | FCR3702 | 3289 | FCR3777 | 3345 | FCR3867 |
| 3122 | fc3509n | 3178 | FCR3599 | 3234 | FCR3703 | 3290 | FCR3779 | 3346 | FCR3868 |
| 3123 | FCR3512 | 3179 | FCR3601 | 3235 | FCR3704 | 3291 | FCR3780 | 3347 | fc3869 |
| 3124 | FCR3513 | 3180 | FCR3602 | 3236 | FCR3705 | 3292 | fc3785n | 3348 | fc3869n |
| 3125 | FCR3514 | 3181 | FCR3603 | 3237 | FCR3706 | 3293 | fc3789n | 3349 | FCR3877 |
| 3126 | FCR3518 | 3182 | FCR3608 | 3238 | FCR3707 | 3294 | FCR3790 | 3350 | FCR3878 |
| 3127 | fc3522n | 3183 | fc3612n | 3239 | FCR3708 | 3295 | FCR3791 | 3351 | FCR3879 |
| 3128 | fc3524n | 3184 | FCR3614 | 3240 | FCR3710 | 3296 | fc3792 | 3352 | FCR3880 |
| 3129 | FCR3525 | 3185 | FCR3615 | 3241 | fc3711N | 3297 | FCR3793 | 3353 | FCR3883 |
| 3130 | FCR3528 | 3186 | FCR3617 | 3242 | FCR3712 | 3298 | FCR3794 | 3354 | FCR3884 |
| 3131 | FCR3530 | 3187 | FCR3618 | 3243 | fc3713n | 3299 | FCR3795 | 3355 | FCR3885 |
| 3132 | fc3534n | 3188 | FCR3620 | 3244 | FCR3714 | 3300 | fc3796 | 3356 | FCR3889 |
| 3133 | FCR3535 | 3189 | FCR3621 | 3245 | FCR3715 | 3301 | FCR3798 | 3357 | FCR3890 |
| 3134 | FCR3536 | 3190 | FCR3622 | 3246 | FCR3716 | 3302 | FCR3799 | 3358 | FCR3892 |
| 3135 | FCR3538 | 3191 | FCR3623 | 3247 | FCR3717 | 3303 | FCR3800 | 3359 | FCR3894 |
| 3136 | FCR3539 | 3192 | FCR3624 | 3248 | FCR3719 | 3304 | fc3802N | 3360 | FCR3897 |

Figure 6B - Continued

| | | | | | | | | | |
|------|----------|------|----------|------|----------|------|---------|------|----------|
| 3361 | FCR3898 | 3417 | FCR4007 | 3473 | FCR4092 | 3529 | fc4210n | 3585 | FCR4319 |
| 3362 | fc3902 | 3418 | FCR4009 | 3474 | FCR4095 | 3530 | FCR4211 | 3586 | FCR4324 |
| 3363 | FCR3903 | 3419 | FCR4010 | 3475 | FCR4096 | 3531 | FCR4212 | 3587 | FCR4326 |
| 3364 | fc3904n | 3420 | FCR4011 | 3476 | FCR4097 | 3532 | FCR4213 | 3588 | FCR4328 |
| 3365 | FCR3907 | 3421 | FCR4012 | 3477 | FCR4099 | 3533 | FCR4214 | 3589 | FCR4330 |
| 3366 | fc3908 | 3422 | FCR4013 | 3478 | FCR4101 | 3534 | FCR4215 | 3590 | FCR4331 |
| 3367 | FCR3909 | 3423 | FCR4014 | 3479 | FCR4106 | 3535 | FCR4216 | 3591 | FCR4332 |
| 3368 | FCR3910 | 3424 | FCR4015 | 3480 | FCR4107 | 3536 | FCR4218 | 3592 | FCR4333 |
| 3369 | FCR3911 | 3425 | FCR4016N | 3481 | FCR4108 | 3537 | fc4219n | 3593 | FCR4334 |
| 3370 | FCR3912 | 3426 | FCR4017 | 3482 | FCR4109 | 3538 | FCR4220 | 3594 | FCR4336N |
| 3371 | fc3913n | 3427 | FCR4018 | 3483 | FCR4110 | 3539 | FCR4221 | 3595 | fc4337n |
| 3372 | fc3914n | 3428 | FCR4019 | 3484 | FCR4111 | 3540 | FCR4224 | 3596 | FCR4340 |
| 3373 | FCR3915 | 3429 | FCR4020 | 3485 | FCR4112 | 3541 | FCR4225 | 3597 | FCR4341 |
| 3374 | FCR3916N | 3430 | fc4021nn | 3486 | FCR4113 | 3542 | FCR4226 | 3598 | FCR4342 |
| 3375 | FCR3918 | 3431 | FCR4022 | 3487 | fc4114n | 3543 | FCR4227 | 3599 | FCR4344 |
| 3376 | FCR3919N | 3432 | FCR4024 | 3488 | FCR4116 | 3544 | FCR4228 | 3600 | FCR4347N |
| 3377 | FCR3920 | 3433 | FCR4026 | 3489 | FCR4117 | 3545 | FCR4232 | 3601 | FCR4348 |
| 3378 | FCR3922 | 3434 | FCR4027 | 3490 | fc4118nn | 3546 | fc4233 | 3602 | FCR4349 |
| 3379 | fc3924 | 3435 | FCR4029 | 3491 | FCR4125 | 3547 | FCR4238 | 3603 | FCR4350 |
| 3380 | FCR3928 | 3436 | FCR4030 | 3492 | FCR4127N | 3548 | FCR4240 | 3604 | fc4351n |
| 3381 | FCR3932 | 3437 | FCR4031N | 3493 | FCR4128 | 3549 | fc4242n | 3605 | FCR4353N |
| 3382 | FCR3934 | 3438 | FCR4033 | 3494 | FCR4129 | 3550 | FCR4243 | 3606 | FCR4354 |
| 3383 | FCR3936 | 3439 | FCR4034 | 3495 | FCR4131 | 3551 | FCR4246 | 3607 | FCR4355 |
| 3384 | FCR3939 | 3440 | FCR4035 | 3496 | FCR4134 | 3552 | fc4259 | 3608 | FCR4357 |
| 3385 | FCR3940 | 3441 | FCR4037 | 3497 | FCR4135 | 3553 | FCR4260 | 3609 | FCR4359 |
| 3386 | FCR3941 | 3442 | FCR4039 | 3498 | FCR4137 | 3554 | FCR4264 | 3610 | FCR4361 |
| 3387 | FCR3943 | 3443 | FCR4040 | 3499 | FCR4138 | 3555 | FCR4266 | 3611 | FCR4363 |
| 3388 | FCR3944 | 3444 | FCR4043 | 3500 | fc4141nn | 3556 | FCR4271 | 3612 | FCR4364 |
| 3389 | fc3945n | 3445 | FCR4044 | 3501 | FCR4143 | 3557 | FCR4272 | 3613 | FCR4365 |
| 3390 | FCR3946 | 3446 | FCR4045 | 3502 | FCR4146 | 3558 | FCR4274 | 3614 | FCR4366 |
| 3391 | FCR3947N | 3447 | FCR4046 | 3503 | FCR4147 | 3559 | fc4275 | 3615 | FCR4367 |
| 3392 | FCR3948 | 3448 | FCR4048 | 3504 | FCR4148 | 3560 | FCR4278 | 3616 | FCR4368 |
| 3393 | FCR3949 | 3449 | FCR4049 | 3505 | FCR4149 | 3561 | FCR4280 | 3617 | FCR4370 |
| 3394 | FCR3950 | 3450 | FCR4051 | 3506 | FCR4150 | 3562 | FCR4281 | 3618 | FCR4371 |
| 3395 | FCR3951 | 3451 | FCR4052 | 3507 | FCR4152 | 3563 | FCR4283 | 3619 | fc4372n |
| 3396 | FCR3952N | 3452 | FCR4056 | 3508 | FCR4154 | 3564 | FCR4285 | 3620 | FCR4373 |
| 3397 | FCR3953 | 3453 | FCR4057 | 3509 | FCR4155 | 3565 | fc4286n | 3621 | FCR4376 |
| 3398 | FCR3955 | 3454 | FCR4058 | 3510 | fc4157n | 3566 | FCR4287 | 3622 | FCR4378 |
| 3399 | FCR3957 | 3455 | FCR4059 | 3511 | FCR4159 | 3567 | FCR4289 | 3623 | FCR4379 |
| 3400 | FCR3960N | 3456 | FCR4060 | 3512 | FCR4160 | 3568 | FCR4292 | 3624 | FCR4380 |
| 3401 | FCR3962 | 3457 | FCR4062 | 3513 | FCR4163 | 3569 | FCR4294 | 3625 | FCR4382 |
| 3402 | FCR3972 | 3458 | fc4063n | 3514 | FCR4164 | 3570 | FCR4295 | 3626 | FCR4385 |
| 3403 | FCR3973 | 3459 | FCR4065 | 3515 | FCR4166 | 3571 | FCR4298 | 3627 | FCR4386 |
| 3404 | FCR3974 | 3460 | FCR4071 | 3516 | FCR4167 | 3572 | FCR4299 | 3628 | FCR4388N |
| 3405 | FCR3977 | 3461 | FCR4072 | 3517 | FCR4172 | 3573 | fc4300 | 3629 | FCR4390 |
| 3406 | FCR3981 | 3462 | FCR4073N | 3518 | FCR4174 | 3574 | FCR4301 | 3630 | FCR4393 |
| 3407 | fc3982nn | 3463 | fc4075n | 3519 | FCR4175 | 3575 | FCR4302 | 3631 | fc4394nn |
| 3408 | FCR3983 | 3464 | FCR4076 | 3520 | FCR4181 | 3576 | FCR4304 | 3632 | FCR4395N |
| 3409 | fc3984nn | 3465 | FCR4078 | 3521 | FCR4198 | 3577 | FCR4305 | 3633 | FCR4397 |
| 3410 | FCR3985 | 3466 | FCR4079 | 3522 | FCR4201 | 3578 | FCR4306 | 3634 | FCR4398 |
| 3411 | FCR3986 | 3467 | FCR4082 | 3523 | FCR4203 | 3579 | FCR4308 | 3635 | FCR4399 |
| 3412 | FCR3987 | 3468 | FCR4084 | 3524 | FCR4205 | 3580 | FCR4311 | 3636 | FCR4400 |
| 3413 | fc3988n | 3469 | FCR4085 | 3525 | FCR4206 | 3581 | FCR4313 | 3637 | FCR4401 |
| 3414 | FCR3990 | 3470 | FCR4086 | 3526 | FCR4207 | 3582 | FCR4315 | 3638 | FCR4402 |
| 3415 | FCR3993 | 3471 | FCR4089 | 3527 | FCR4208 | 3583 | FCR4316 | 3639 | fc4403 |
| 3416 | FCR4006 | 3472 | fc4090nn | 3528 | FCR4209 | 3584 | FCR4318 | 3640 | FCR4404 |

Figure 6B - Continued

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|------|---------|------|---------|------|---------|------|---------|------|---------|
| 3641 | FCR4405 | 3697 | FCR4505 | 3753 | FCR4641 | 3809 | FCR4733 | 3865 | fc4809 |
| 3642 | FCR4406 | 3698 | FCR4506 | 3754 | fc4642 | 3810 | FCR4735 | 3866 | FCR4810 |
| 3643 | FCR4409 | 3699 | fc4559 | 3755 | fc4644 | 3811 | FCR4737 | 3867 | FCR4811 |
| 3644 | FCR4410 | 3700 | FCR4560 | 3756 | fc4648 | 3812 | FCR4738 | 3868 | FCR4813 |
| 3645 | FCR4411 | 3701 | fc4562 | 3757 | FCR4649 | 3813 | FCR4740 | 3869 | FCR4814 |
| 3646 | FCR4412 | 3702 | FCR4566 | 3758 | FCR4650 | 3814 | FCR4741 | 3870 | FCR4816 |
| 3647 | FCR4413 | 3703 | FCR4568 | 3759 | FCR4651 | 3815 | FCR4742 | 3871 | FCR4817 |
| 3648 | FCR4414 | 3704 | FCR4569 | 3760 | FCR4652 | 3816 | FCR4743 | 3872 | FCR4818 |
| 3649 | FCR4415 | 3705 | FCR4570 | 3761 | FCR4654 | 3817 | FCR4745 | 3873 | FCR4819 |
| 3650 | FCR4416 | 3706 | FCR4573 | 3762 | FCR4655 | 3818 | FCR4746 | 3874 | FCR4820 |
| 3651 | FCR4417 | 3707 | FCR4574 | 3763 | fc4656 | 3819 | FCR4747 | 3875 | FCR4821 |
| 3652 | FCR4419 | 3708 | FCR4575 | 3764 | FCR4660 | 3820 | FCR4749 | 3876 | FCR4822 |
| 3653 | FCR4432 | 3709 | FCR4576 | 3765 | FCR4661 | 3821 | FCR4752 | 3877 | FCR4823 |
| 3654 | FCR4433 | 3710 | FCR4577 | 3766 | fc4665 | 3822 | FCR4753 | 3878 | FCR4824 |
| 3655 | FCR4434 | 3711 | FCR4578 | 3767 | FCR4667 | 3823 | FCR4754 | 3879 | FCR4825 |
| 3656 | FCR4435 | 3712 | FCR4579 | 3768 | FCR4669 | 3824 | FCR4755 | 3880 | FCR4829 |
| 3657 | FCR4436 | 3713 | FCR4582 | 3769 | fc4670 | 3825 | FCR4758 | 3881 | FCR4831 |
| 3658 | FCR4437 | 3714 | FCR4583 | 3770 | fc4671 | 3826 | FCR4759 | 3882 | FCR4832 |
| 3659 | FCR4438 | 3715 | FCR4584 | 3771 | fc4673 | 3827 | FCR4760 | 3883 | FCR4833 |
| 3660 | FCR4440 | 3716 | FCR4589 | 3772 | FCR4674 | 3828 | fc4761 | 3884 | FCR4834 |
| 3661 | FCR4442 | 3717 | FCR4592 | 3773 | FCR4675 | 3829 | FCR4762 | 3885 | FCR4836 |
| 3662 | FCR4443 | 3718 | FCR4594 | 3774 | FCR4676 | 3830 | FCR4763 | 3886 | FCR4838 |
| 3663 | FCR4444 | 3719 | FCR4595 | 3775 | FCR4677 | 3831 | FCR4764 | 3887 | FCR4839 |
| 3664 | FCR4446 | 3720 | FCR4596 | 3776 | fc4678n | 3832 | FCR4765 | 3888 | FCR4840 |
| 3665 | FCR4447 | 3721 | FCR4597 | 3777 | FCR4679 | 3833 | FCR4766 | 3889 | FCR4842 |
| 3666 | FCR4449 | 3722 | FCR4600 | 3778 | FCR4680 | 3834 | FCR4767 | 3890 | FCR4843 |
| 3667 | FCR4450 | 3723 | FCR4604 | 3779 | FCR4681 | 3835 | FCR4768 | 3891 | fc4844n |
| 3668 | fc4457n | 3724 | FCR4605 | 3780 | FCR4682 | 3836 | FCR4769 | 3892 | FCR4845 |
| 3669 | FCR4459 | 3725 | FCR4606 | 3781 | FCR4684 | 3837 | FCR4770 | 3893 | FCR4846 |
| 3670 | FCR4460 | 3726 | FCR4607 | 3782 | FCR4685 | 3838 | FCR4771 | 3894 | FCR4848 |
| 3671 | fc4463n | 3727 | FCR4608 | 3783 | FCR4686 | 3839 | FCR4772 | 3895 | FCR4849 |
| 3672 | FCR4465 | 3728 | FCR4609 | 3784 | FCR4688 | 3840 | FCR4773 | 3896 | FCR4850 |
| 3673 | fc4466n | 3729 | FCR4610 | 3785 | FCR4690 | 3841 | FCR4775 | 3897 | FCR4851 |
| 3674 | FCR4467 | 3730 | FCR4612 | 3786 | FCR4691 | 3842 | FCR4778 | 3898 | FCR4852 |
| 3675 | FCR4468 | 3731 | fc4613 | 3787 | FCR4693 | 3843 | FCR4779 | 3899 | FCR4853 |
| 3676 | FCR4469 | 3732 | FCR4614 | 3788 | FCR4695 | 3844 | FCR4781 | 3900 | FCR4854 |
| 3677 | FCR4471 | 3733 | FCR4615 | 3789 | FCR4697 | 3845 | FCR4782 | 3901 | FCR4856 |
| 3678 | FCR4473 | 3734 | FCR4616 | 3790 | FCR4699 | 3846 | FCR4783 | 3902 | FCR4857 |
| 3679 | FCR4474 | 3735 | FCR4617 | 3791 | FCR4700 | 3847 | FCR4784 | 3903 | FCR4858 |
| 3680 | FCR4475 | 3736 | FCR4618 | 3792 | FCR4702 | 3848 | FCR4785 | 3904 | FCR4860 |
| 3681 | FCR4477 | 3737 | FCR4620 | 3793 | FCR4703 | 3849 | FCR4786 | 3905 | FCR4861 |
| 3682 | FCR4480 | 3738 | FCR4621 | 3794 | FCR4704 | 3850 | FCR4787 | 3906 | FCR4862 |
| 3683 | FCR4483 | 3739 | FCR4622 | 3795 | FCR4705 | 3851 | FCR4790 | 3907 | FCR4863 |
| 3684 | FCR4485 | 3740 | FCR4623 | 3796 | FCR4717 | 3852 | fc4791 | 3908 | FCR4864 |
| 3685 | FCR4486 | 3741 | FCR4624 | 3797 | FCR4719 | 3853 | FCR4792 | 3909 | FCR4865 |
| 3686 | FCR4487 | 3742 | FCR4626 | 3798 | FCR4720 | 3854 | FCR4794 | 3910 | FCR4866 |
| 3687 | FCR4489 | 3743 | FCR4628 | 3799 | FCR4721 | 3855 | FCR4795 | 3911 | FCR4867 |
| 3688 | FCR4490 | 3744 | FCR4629 | 3800 | FCR4722 | 3856 | FCR4799 | 3912 | FCR4868 |
| 3689 | FCR4494 | 3745 | FCR4631 | 3801 | FCR4723 | 3857 | FCR4800 | 3913 | FCR4869 |
| 3690 | FCR4495 | 3746 | FCR4632 | 3802 | FCR4724 | 3858 | FCR4801 | 3914 | FCR4870 |
| 3691 | FCR4496 | 3747 | FCR4633 | 3803 | FCR4725 | 3859 | FCR4802 | 3915 | FCR4871 |
| 3692 | FCR4497 | 3748 | FCR4634 | 3804 | FCR4726 | 3860 | FCR4803 | 3916 | FCR4872 |
| 3693 | FCR4498 | 3749 | FCR4637 | 3805 | FCR4727 | 3861 | FCR4804 | 3917 | FCR4873 |
| 3694 | FCR4500 | 3750 | FCR4638 | 3806 | FCR4729 | 3862 | FCR4805 | 3918 | fc4874n |
| 3695 | FCR4502 | 3751 | FCR4639 | 3807 | FCR4730 | 3863 | FCR4806 | 3919 | FCR4875 |
| 3696 | FCR4503 | 3752 | FCR4640 | 3808 | FCR4732 | 3864 | FCR4808 | 3920 | FCR4876 |

Figure 6B - Continued

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|------|---------|------|---------|------|---------|------|---------|------|---------|
| 3921 | FCR4877 | 3977 | FCR4948 | 4033 | fc5031 | 4089 | FCR5123 | 4145 | FCR5204 |
| 3922 | FCR4878 | 3978 | FCR4949 | 4034 | FCR5032 | 4090 | FCR5124 | 4146 | FCR5207 |
| 3923 | FCR4879 | 3979 | FCR4950 | 4035 | FCR5033 | 4091 | FCR5125 | 4147 | FCR5208 |
| 3924 | FCR4880 | 3980 | FCR4951 | 4036 | FCR5035 | 4092 | FCR5126 | 4148 | FCR5209 |
| 3925 | FCR4881 | 3981 | FCR4952 | 4037 | FCR5040 | 4093 | FCR5127 | 4149 | FCR5211 |
| 3926 | FCR4884 | 3982 | FCR4953 | 4038 | FCR5045 | 4094 | fc5129 | 4150 | FCR5212 |
| 3927 | FCR4885 | 3983 | FCR4954 | 4039 | FCR5047 | 4095 | FCR5131 | 4151 | FCR5213 |
| 3928 | FCR4886 | 3984 | FCR4955 | 4040 | FCR5048 | 4096 | fc5132 | 4152 | FCR5214 |
| 3929 | FCR4888 | 3985 | FCR4956 | 4041 | FCR5050 | 4097 | FCR5133 | 4153 | FCR5216 |
| 3930 | FCR4889 | 3986 | FCR4957 | 4042 | fc5055 | 4098 | FCR5136 | 4154 | FCR5217 |
| 3931 | FCR4890 | 3987 | FCR4958 | 4043 | FCR5056 | 4099 | FCR5137 | 4155 | FCR5218 |
| 3932 | FCR4891 | 3988 | FCR4959 | 4044 | FCR5057 | 4100 | FCR5138 | 4156 | FCR5220 |
| 3933 | FCR4892 | 3989 | FCR4961 | 4045 | FCR5058 | 4101 | fc5139n | 4157 | FCR5221 |
| 3934 | fc4893 | 3990 | FCR4965 | 4046 | FCR5059 | 4102 | fc5140 | 4158 | FCR5222 |
| 3935 | FCR4895 | 3991 | FCR4966 | 4047 | FCR5063 | 4103 | FCR5141 | 4159 | FCR5223 |
| 3936 | FCR4896 | 3992 | FCR4967 | 4048 | FCR5064 | 4104 | FCR5144 | 4160 | fc5224n |
| 3937 | FCR4897 | 3993 | fc4968 | 4049 | FCR5065 | 4105 | FCR5145 | 4161 | FCR5226 |
| 3938 | FCR4898 | 3994 | FCR4970 | 4050 | FCR5066 | 4106 | FCR5149 | 4162 | FCR5228 |
| 3939 | FCR4899 | 3995 | FCR4971 | 4051 | FCR5067 | 4107 | fc5150n | 4163 | FCR5229 |
| 3940 | FCR4900 | 3996 | FCR4974 | 4052 | FCR5068 | 4108 | FCR5151 | 4164 | fc5231n |
| 3941 | FCR4901 | 3997 | fc4976n | 4053 | fc5071 | 4109 | FCR5152 | 4165 | FCR5245 |
| 3942 | FCR4902 | 3998 | FCR4978 | 4054 | FCR5072 | 4110 | fc5153n | 4166 | FCR5246 |
| 3943 | FCR4903 | 3999 | FCR4979 | 4055 | FCR5073 | 4111 | FCR5154 | 4167 | FCR5247 |
| 3944 | FCR4904 | 4000 | FCR4980 | 4056 | FCR5074 | 4112 | FCR5155 | 4168 | FCR5250 |
| 3945 | FCR4906 | 4001 | FCR4981 | 4057 | FCR5075 | 4113 | FCR5156 | 4169 | FCR5251 |
| 3946 | FCR4907 | 4002 | FCR4982 | 4058 | FCR5076 | 4114 | FCR5157 | 4170 | FCR5257 |
| 3947 | FCR4909 | 4003 | FCR4983 | 4059 | FCR5077 | 4115 | FCR5158 | 4171 | FCR5259 |
| 3948 | FCR4911 | 4004 | FCR4984 | 4060 | FCR5080 | 4116 | FCR5160 | 4172 | FCR5261 |
| 3949 | FCR4913 | 4005 | FCR4985 | 4061 | FCR5081 | 4117 | FCR5161 | 4173 | FCR5262 |
| 3950 | FCR4914 | 4006 | FCR4988 | 4062 | FCR5082 | 4118 | FCR5163 | 4174 | FCR5263 |
| 3951 | FCR4915 | 4007 | fc4991 | 4063 | FCR5083 | 4119 | FCR5165 | 4175 | fc5266n |
| 3952 | FCR4916 | 4008 | fc4992n | 4064 | FCR5084 | 4120 | FCR5167 | 4176 | FCR5267 |
| 3953 | FCR4920 | 4009 | FCR4996 | 4065 | FCR5085 | 4121 | FCR5168 | 4177 | FCR5268 |
| 3954 | FCR4921 | 4010 | FCR4997 | 4066 | FCR5087 | 4122 | FCR5169 | 4178 | fc5270n |
| 3955 | FCR4922 | 4011 | FCR4999 | 4067 | FCR5088 | 4123 | FCR5170 | 4179 | FCR5271 |
| 3956 | FCR4924 | 4012 | FCR5000 | 4068 | FCR5090 | 4124 | fc5171 | 4180 | FCR5272 |
| 3957 | FCR4925 | 4013 | FCR5002 | 4069 | FCR5091 | 4125 | FCR5175 | 4181 | FCR5273 |
| 3958 | FCR4926 | 4014 | FCR5004 | 4070 | FCR5092 | 4126 | FCR5176 | 4182 | FCR5281 |
| 3959 | FCR4927 | 4015 | FCR5006 | 4071 | FCR5093 | 4127 | FCR5179 | 4183 | FCR5282 |
| 3960 | FCR4928 | 4016 | FCR5007 | 4072 | FCR5096 | 4128 | FCR5180 | 4184 | FCR5283 |
| 3961 | FCR4930 | 4017 | FCR5008 | 4073 | FCR5098 | 4129 | FCR5181 | 4185 | FCR5284 |
| 3962 | FCR4931 | 4018 | FCR5009 | 4074 | FCR5099 | 4130 | FCR5182 | 4186 | fc5285n |
| 3963 | FCR4932 | 4019 | fc5011 | 4075 | FCR5100 | 4131 | FCR5183 | 4187 | FCR5286 |
| 3964 | FCR4934 | 4020 | FCR5014 | 4076 | fc5101 | 4132 | FCR5188 | 4188 | FCR5288 |
| 3965 | fc4935 | 4021 | FCR5015 | 4077 | fc5105 | 4133 | FCR5189 | 4189 | FCR5289 |
| 3966 | fc4936n | 4022 | FCR5016 | 4078 | fc5107 | 4134 | FCR5190 | 4190 | FCR5291 |
| 3967 | FCR4937 | 4023 | fc5017 | 4079 | FCR5108 | 4135 | FCR5191 | 4191 | fc5292 |
| 3968 | FCR4938 | 4024 | FCR5019 | 4080 | FCR5111 | 4136 | FCR5192 | 4192 | fc5293n |
| 3969 | FCR4941 | 4025 | FCR5020 | 4081 | FCR5112 | 4137 | FCR5193 | 4193 | FCR5297 |
| 3970 | fc4942 | 4026 | FCR5021 | 4082 | FCR5113 | 4138 | FCR5194 | 4194 | FCR5301 |
| 3971 | fc4942r | 4027 | FCR5023 | 4083 | FCR5115 | 4139 | FCR5196 | 4195 | fc5315 |
| 3972 | fc4943 | 4028 | FCR5024 | 4084 | FCR5116 | 4140 | FCR5198 | 4196 | FCR5316 |
| 3973 | fc4944 | 4029 | FCR5025 | 4085 | FCR5117 | 4141 | FCR5199 | 4197 | FCR5317 |
| 3974 | FCR4945 | 4030 | FCR5026 | 4086 | FCR5119 | 4142 | FCR5200 | 4198 | FCR5318 |
| 3975 | FCR4946 | 4031 | FCR5027 | 4087 | fc5120n | 4143 | FCR5201 | 4199 | FCR5320 |
| 3976 | fc4947 | 4032 | FCR5029 | 4088 | FCR5121 | 4144 | FCR5203 | 4200 | FCR5322 |

Figure 6B - Continued

| | | | | | | | | | |
|------|----------|------|----------|------|----------|------|-----------|------|----------|
| 4201 | fcR5323n | 4257 | fcR5414 | 4313 | FCR5507 | 4369 | FCR5624 | 4425 | FCR5722 |
| 4202 | FCR5324 | 4258 | FCR5415 | 4314 | FCR5508 | 4370 | fcR5625 | 4426 | FCR5723 |
| 4203 | FCR5326 | 4259 | FCR5416 | 4315 | FCR5509 | 4371 | FCR5627 | 4427 | FCR5724 |
| 4204 | FCR5327 | 4260 | FCR5417 | 4316 | fcR5510 | 4372 | FCR5628 | 4428 | FCR5725 |
| 4205 | fcR5328n | 4261 | FCR5418 | 4317 | FCR5511 | 4373 | FCR5629 | 4429 | FCR5727 |
| 4206 | FCR5329 | 4262 | FCR5420 | 4318 | FCR5513 | 4374 | FCR5630 | 4430 | FCR5728 |
| 4207 | FCR5330 | 4263 | FCR5421 | 4319 | FCR5515 | 4375 | FCR5634 | 4431 | FCR5730 |
| 4208 | FCR5331 | 4264 | FCR5422 | 4320 | FCR5516 | 4376 | FCR5639 | 4432 | fcR5731 |
| 4209 | FCR5332 | 4265 | fcR5425 | 4321 | FCR5517 | 4377 | fcR5640 | 4433 | fcR5733 |
| 4210 | FCR5333 | 4266 | FCR5426 | 4322 | FCR5518 | 4378 | FCR5642 | 4434 | fcR5734 |
| 4211 | FCR5334 | 4267 | FCR5427 | 4323 | FCR5519 | 4379 | FCR5645 | 4435 | fcR5736 |
| 4212 | FCR5336 | 4268 | fcR5428 | 4324 | FCR5522 | 4380 | FCR5648 | 4436 | FCR5743 |
| 4213 | FCR5337 | 4269 | fcR5431 | 4325 | FCR5523 | 4381 | FCR5650 | 4437 | FCR5744 |
| 4214 | FCR5338 | 4270 | FCR5436 | 4326 | FCR5524 | 4382 | FCR5652 | 4438 | FCR5746 |
| 4215 | FCR5339 | 4271 | FCR5437 | 4327 | FCR5525 | 4383 | fcR5653 | 4439 | FCR5747 |
| 4216 | FCR5340 | 4272 | FCR5438 | 4328 | FCR5529 | 4384 | fcR5653nr | 4440 | FCR5748 |
| 4217 | FCR5342 | 4273 | FCR5440 | 4329 | FCR5530 | 4385 | FCR5654 | 4441 | FCR5749 |
| 4218 | FCR5343 | 4274 | FCR5442 | 4330 | FCR5532 | 4386 | fcR5659n | 4442 | FCR5750 |
| 4219 | fcR5344 | 4275 | FCR5443 | 4331 | FCR5533 | 4387 | FCR5660 | 4443 | FCR5751 |
| 4220 | FCR5345 | 4276 | fcR5445 | 4332 | FCR5534 | 4388 | FCR5661 | 4444 | fcR5752 |
| 4221 | FCR5347 | 4277 | fcR5446n | 4333 | FCR5536 | 4389 | FCR5663 | 4445 | FCR5753 |
| 4222 | FCR5348 | 4278 | FCR5447 | 4334 | FCR5537 | 4390 | FCR5664 | 4446 | FCR5755 |
| 4223 | FCR5349 | 4279 | fcR5448n | 4335 | FCR5539 | 4391 | FCR5665 | 4447 | FCR5756 |
| 4224 | FCR5350 | 4280 | fcR5449 | 4336 | FCR5541 | 4392 | FCR5668 | 4448 | FCR5758 |
| 4225 | FCR5351 | 4281 | FCR5453 | 4337 | FCR5543 | 4393 | FCR5669 | 4449 | FCR5759 |
| 4226 | fcR5353 | 4282 | FCR5455 | 4338 | FCR5559 | 4394 | FCR5670 | 4450 | FCR5760 |
| 4227 | FCR5354 | 4283 | FCR5456 | 4339 | FCR5560 | 4395 | fcR5672 | 4451 | FCR5761 |
| 4228 | FCR5355 | 4284 | FCR5460 | 4340 | fcR5561 | 4396 | FCR5675 | 4452 | FCR5762 |
| 4229 | fcR5358 | 4285 | fcR5461 | 4341 | fcR5563 | 4397 | FCR5677 | 4453 | FCR5763 |
| 4230 | FCR5359 | 4286 | FCR5462 | 4342 | FCR5571 | 4398 | FCR5679 | 4454 | FCR5764 |
| 4231 | FCR5360 | 4287 | fcR5463 | 4343 | FCR5572 | 4399 | fcR5680 | 4455 | FCR5766 |
| 4232 | FCR5362 | 4288 | fcR5464 | 4344 | FCR5574 | 4400 | FCR5681 | 4456 | FCR5767 |
| 4233 | FCR5363 | 4289 | fcR5467 | 4345 | FCR5575 | 4401 | FCR5683 | 4457 | fcR5769 |
| 4234 | FCR5365 | 4290 | FCR5468 | 4346 | FCR5579 | 4402 | FCR5685 | 4458 | FCR5770 |
| 4235 | FCR5366 | 4291 | FCR5469 | 4347 | FCR5580 | 4403 | fcR5686n | 4459 | FCR5771 |
| 4236 | FCR5369 | 4292 | FCR5470 | 4348 | FCR5581 | 4404 | FCR5687 | 4460 | fcR5774n |
| 4237 | FCR5371 | 4293 | FCR5471 | 4349 | FCR5582 | 4405 | FCR5689 | 4461 | FCR5775 |
| 4238 | FCR5373 | 4294 | FCR5472 | 4350 | FCR5584 | 4406 | fcR5690n | 4462 | FCR5777 |
| 4239 | FCR5374 | 4295 | FCR5474 | 4351 | FCR5585 | 4407 | FCR5699 | 4463 | FCR5778 |
| 4240 | FCR5376 | 4296 | fcR5475 | 4352 | FCR5586 | 4408 | FCR5701 | 4464 | FCR5779 |
| 4241 | FCR5378 | 4297 | fcR5476 | 4353 | FCR5587 | 4409 | FCR5702 | 4465 | fcR5780 |
| 4242 | FCR5380 | 4298 | FCR5477 | 4354 | FCR5589 | 4410 | FCR5703 | 4466 | FCR5786 |
| 4243 | fcR5381n | 4299 | FCR5478 | 4355 | fcR5591 | 4411 | FCR5704 | 4467 | FCR5788 |
| 4244 | FCR5382 | 4300 | FCR5479 | 4356 | FCR5594 | 4412 | FCR5707 | 4468 | fcR5789 |
| 4245 | FCR5384 | 4301 | fcR5481 | 4357 | FCR5595 | 4413 | FCR5708 | 4469 | FCR5790 |
| 4246 | fcR5387n | 4302 | FCR5482 | 4358 | FCR5596 | 4414 | fcR5710 | 4470 | FCR5791 |
| 4247 | FCR5391 | 4303 | FCR5483 | 4359 | fcR5612 | 4415 | FCR5711 | 4471 | FCR5792 |
| 4248 | FCR5392 | 4304 | fcR5484 | 4360 | fcR5615 | 4416 | FCR5712 | 4472 | FCR5793 |
| 4249 | FCR5393 | 4305 | FCR5486 | 4361 | fcR5615r | 4417 | FCR5713 | 4473 | FCR5794 |
| 4250 | FCR5394 | 4306 | fcR5488 | 4362 | FCR5617 | 4418 | FCR5714 | 4474 | FCR5795 |
| 4251 | fcR5406n | 4307 | fcR5489 | 4363 | FCR5618 | 4419 | FCR5715 | 4475 | FCR5796 |
| 4252 | FCR5407 | 4308 | FCR5490 | 4364 | FCR5619 | 4420 | FCR5716 | 4476 | FCR5797 |
| 4253 | FCR5408 | 4309 | FCR5498 | 4365 | FCR5620 | 4421 | FCR5717 | 4477 | FCR5798 |
| 4254 | FCR5409 | 4310 | fcR5499 | 4366 | fcR5621 | 4422 | FCR5719 | 4478 | FCR5799 |
| 4255 | FCR5410 | 4311 | FCR5503 | 4367 | FCR5622 | 4423 | FCR5720 | 4479 | FCR5800 |
| 4256 | FCR5412 | 4312 | FCR5505 | 4368 | FCR5623 | 4424 | FCR5721 | 4480 | FCR5801 |

Figure 6B - Continued

| | | | | | | | | | |
|------|---------|------|---------|------|---------|------|---------|------|---------|
| 4481 | FCR5802 | 4537 | FCR5883 | 4593 | FCR5961 | 4649 | FCR6044 | 4705 | FCR6145 |
| 4482 | FCR5803 | 4538 | fc5884 | 4594 | FCR5964 | 4650 | fc6045 | 4706 | FCR6146 |
| 4483 | FCR5804 | 4539 | FCR5885 | 4595 | FCR5966 | 4651 | FCR6047 | 4707 | FCR6147 |
| 4484 | FCR5805 | 4540 | fc5886 | 4596 | FCR5967 | 4652 | FCR6050 | 4708 | FCR6150 |
| 4485 | FCR5807 | 4541 | FCR5887 | 4597 | FCR5969 | 4653 | FCR6054 | 4709 | FCR6151 |
| 4486 | FCR5808 | 4542 | FCR5889 | 4598 | FCR5971 | 4654 | FCR6055 | 4710 | FCR6152 |
| 4487 | FCR5809 | 4543 | FCR5890 | 4599 | FCR5972 | 4655 | FCR6057 | 4711 | FCR6157 |
| 4488 | FCR5810 | 4544 | FCR5894 | 4600 | FCR5973 | 4656 | FCR6058 | 4712 | FCR6158 |
| 4489 | FCR5811 | 4545 | FCR5895 | 4601 | FCR5975 | 4657 | FCR6060 | 4713 | FCR6160 |
| 4490 | FCR5812 | 4546 | FCR5897 | 4602 | fc5976 | 4658 | FCR6062 | 4714 | FCR6161 |
| 4491 | FCR5813 | 4547 | FCR5898 | 4603 | FCR5978 | 4659 | FCR6064 | 4715 | fc6162 |
| 4492 | FCR5814 | 4548 | FCR5900 | 4604 | FCR5980 | 4660 | FCR6065 | 4716 | FCR6163 |
| 4493 | FCR5817 | 4549 | FCR5901 | 4605 | fc5981 | 4661 | FCR6066 | 4717 | FCR6168 |
| 4494 | FCR5818 | 4550 | fc5902 | 4606 | FCR5982 | 4662 | FCR6067 | 4718 | FCR6169 |
| 4495 | fc5819 | 4551 | FCR5903 | 4607 | fc5983n | 4663 | FCR6068 | 4719 | FCR6170 |
| 4496 | FCR5822 | 4552 | fc5904n | 4608 | FCR5986 | 4664 | FCR6069 | 4720 | FCR6171 |
| 4497 | FCR5823 | 4553 | FCR5905 | 4609 | FCR5987 | 4665 | FCR6074 | 4721 | FCR6172 |
| 4498 | fc5824 | 4554 | fc5909 | 4610 | FCR5989 | 4666 | FCR6076 | 4722 | FCR6174 |
| 4499 | fc5825 | 4555 | FCR5910 | 4611 | fc5990n | 4667 | FCR6077 | 4723 | FCR6175 |
| 4500 | FCR5827 | 4556 | FCR5911 | 4612 | fc5991 | 4668 | FCR6079 | 4724 | FCR6176 |
| 4501 | FCR5831 | 4557 | fc5912 | 4613 | FCR5992 | 4669 | FCR6080 | 4725 | FCR6178 |
| 4502 | FCR5833 | 4558 | FCR5915 | 4614 | FCR5995 | 4670 | FCR6085 | 4726 | FCR6179 |
| 4503 | FCR5834 | 4559 | FCR5916 | 4615 | FCR5996 | 4671 | FCR6086 | 4727 | FCR6180 |
| 4504 | FCR5835 | 4560 | fc5917 | 4616 | FCR5998 | 4672 | FCR6088 | 4728 | FCR6181 |
| 4505 | fc5836 | 4561 | fc5918 | 4617 | FCR5999 | 4673 | FCR6090 | 4729 | fc6182 |
| 4506 | FCR5837 | 4562 | FCR5919 | 4618 | fc6002 | 4674 | FCR6091 | 4730 | FCR6183 |
| 4507 | FCR5838 | 4563 | FCR5920 | 4619 | fc6003 | 4675 | FCR6092 | 4731 | FCR6184 |
| 4508 | fc5842 | 4564 | FCR5921 | 4620 | FCR6004 | 4676 | FCR6096 | 4732 | FCR6185 |
| 4509 | FCR5843 | 4565 | FCR5922 | 4621 | FCR6005 | 4677 | FCR6102 | 4733 | FCR6186 |
| 4510 | FCR5844 | 4566 | FCR5925 | 4622 | FCR6007 | 4678 | FCR6103 | 4734 | FCR6187 |
| 4511 | FCR5846 | 4567 | FCR5926 | 4623 | FCR6008 | 4679 | FCR6104 | 4735 | FCR6188 |
| 4512 | FCR5847 | 4568 | fc5927n | 4624 | fc6010 | 4680 | FCR6106 | 4736 | FCR6189 |
| 4513 | FCR5848 | 4569 | FCR5928 | 4625 | fc6011n | 4681 | FCR6107 | 4737 | FCR6192 |
| 4514 | FCR5850 | 4570 | fc5929n | 4626 | fc6013 | 4682 | FCR6108 | 4738 | FCR6193 |
| 4515 | FCR5851 | 4571 | FCR5930 | 4627 | fc6014 | 4683 | FCR6109 | 4739 | FCR6194 |
| 4516 | FCR5852 | 4572 | fc5931 | 4628 | fc6015 | 4684 | FCR6116 | 4740 | FCR6195 |
| 4517 | FCR5854 | 4573 | fc5932n | 4629 | FCR6016 | 4685 | FCR6117 | 4741 | FCR6197 |
| 4518 | FCR5856 | 4574 | FCR5935 | 4630 | FCR6017 | 4686 | FCR6118 | 4742 | fc6198 |
| 4519 | FCR5857 | 4575 | fc5936n | 4631 | FCR6018 | 4687 | FCR6119 | 4743 | FCR6201 |
| 4520 | FCR5858 | 4576 | FCR5937 | 4632 | FCR6019 | 4688 | FCR6122 | 4744 | FCR6202 |
| 4521 | fc5859n | 4577 | FCR5938 | 4633 | FCR6022 | 4689 | fc6124n | 4745 | FCR6205 |
| 4522 | FCR5860 | 4578 | FCR5940 | 4634 | FCR6023 | 4690 | fc6125 | 4746 | FCR6206 |
| 4523 | FCR5861 | 4579 | FCR5941 | 4635 | FCR6025 | 4691 | fc6128 | 4747 | FCR6207 |
| 4524 | FCR5862 | 4580 | FCR5942 | 4636 | FCR6026 | 4692 | FCR6129 | 4748 | FCR6208 |
| 4525 | FCR5863 | 4581 | FCR5943 | 4637 | FCR6027 | 4693 | FCR6131 | 4749 | FCR6209 |
| 4526 | FCR5865 | 4582 | FCR5944 | 4638 | FCR6028 | 4694 | fc6132 | 4750 | FCR6210 |
| 4527 | FCR5866 | 4583 | FCR5945 | 4639 | FCR6031 | 4695 | fc6135 | 4751 | FCR6211 |
| 4528 | fc5867 | 4584 | FCR5946 | 4640 | FCR6032 | 4696 | FCR6136 | 4752 | fc6212 |
| 4529 | FCR5870 | 4585 | FCR5949 | 4641 | FCR6034 | 4697 | FCR6137 | 4753 | FCR6213 |
| 4530 | FCR5871 | 4586 | FCR5950 | 4642 | FCR6035 | 4698 | fc6138 | 4754 | fc6217 |
| 4531 | fc5872 | 4587 | FCR5951 | 4643 | fc6036n | 4699 | FCR6139 | 4755 | fc6218n |
| 4532 | FCR5875 | 4588 | FCR5952 | 4644 | FCR6038 | 4700 | FCR6140 | 4756 | FCR6219 |
| 4533 | fc5877 | 4589 | fc5955 | 4645 | FCR6039 | 4701 | FCR6141 | 4757 | FCR6220 |
| 4534 | FCR5879 | 4590 | fc5956 | 4646 | fc6041n | 4702 | FCR6142 | 4758 | FCR6221 |
| 4535 | FCR5880 | 4591 | FCR5958 | 4647 | fc6042 | 4703 | FCR6143 | 4759 | FCR6224 |
| 4536 | FCR5881 | 4592 | FCR5959 | 4648 | fc6043n | 4704 | FCR6144 | 4760 | FCR6225 |

Figure 6B - Continued

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|------|---------|------|---------|------|---------|------|---------|------|---------|
| 4761 | FCR6227 | 4817 | FCR6321 | 4873 | FCR6413 | 4929 | fc6492 | 4985 | FCR6568 |
| 4762 | FCR6228 | 4818 | FCR6322 | 4874 | FCR6414 | 4930 | FCR6493 | 4986 | FCR6571 |
| 4763 | FCR6229 | 4819 | FCR6323 | 4875 | FCR6415 | 4931 | FCR6494 | 4987 | FCR6573 |
| 4764 | FCR6230 | 4820 | FCR6324 | 4876 | FCR6416 | 4932 | FCR6495 | 4988 | fc6574 |
| 4765 | FCR6231 | 4821 | FCR6325 | 4877 | FCR6418 | 4933 | FCR6497 | 4989 | FCR6576 |
| 4766 | FCR6232 | 4822 | FCR6326 | 4878 | FCR6419 | 4934 | FCR6498 | 4990 | FCR6577 |
| 4767 | FCR6234 | 4823 | FCR6327 | 4879 | FCR6420 | 4935 | FCR6499 | 4991 | FCR6578 |
| 4768 | FCR6235 | 4824 | FCR6328 | 4880 | FCR6421 | 4936 | FCR6502 | 4992 | FCR6579 |
| 4769 | FCR6237 | 4825 | FCR6329 | 4881 | FCR6422 | 4937 | FCR6503 | 4993 | FCR6580 |
| 4770 | FCR6240 | 4826 | FCR6330 | 4882 | FCR6423 | 4938 | FCR6505 | 4994 | FCR6581 |
| 4771 | FCR6241 | 4827 | FCR6331 | 4883 | fc6424 | 4939 | fc6506 | 4995 | FCR6582 |
| 4772 | fc6242 | 4828 | FCR6332 | 4884 | FCR6425 | 4940 | fc6507 | 4996 | fc6583 |
| 4773 | FCR6243 | 4829 | FCR6333 | 4885 | FCR6426 | 4941 | FCR6508 | 4997 | FCR6584 |
| 4774 | FCR6245 | 4830 | FCR6334 | 4886 | FCR6427 | 4942 | fc6509 | 4998 | FCR6585 |
| 4775 | FCR6246 | 4831 | FCR6335 | 4887 | FCR6428 | 4943 | FCR6511 | 4999 | FCR6586 |
| 4776 | FCR6252 | 4832 | FCR6336 | 4888 | FCR6429 | 4944 | fc6512 | 5000 | FCR6587 |
| 4777 | fc6254 | 4833 | FCR6340 | 4889 | FCR6431 | 4945 | FCR6513 | 5001 | FCR6589 |
| 4778 | FCR6255 | 4834 | fc6344n | 4890 | FCR6432 | 4946 | FCR6514 | 5002 | FCR6592 |
| 4779 | FCR6256 | 4835 | FCR6345 | 4891 | FCR6433 | 4947 | FCR6517 | 5003 | FCR6593 |
| 4780 | FCR6257 | 4836 | FCR6350 | 4892 | FCR6434 | 4948 | FCR6521 | 5004 | FCR6596 |
| 4781 | FCR6258 | 4837 | fc6351n | 4893 | FCR6435 | 4949 | FCR6522 | 5005 | FCR6597 |
| 4782 | FCR6259 | 4838 | FCR6352 | 4894 | FCR6437 | 4950 | FCR6523 | 5006 | fc6606 |
| 4783 | FCR6262 | 4839 | FCR6358 | 4895 | FCR6439 | 4951 | FCR6524 | 5007 | FCR6607 |
| 4784 | FCR6263 | 4840 | FCR6360 | 4896 | FCR6442 | 4952 | FCR6525 | 5008 | fc6608 |
| 4785 | FCR6264 | 4841 | FCR6361 | 4897 | FCR6443 | 4953 | FCR6526 | 5009 | FCR6610 |
| 4786 | FCR6266 | 4842 | FCR6362 | 4898 | FCR6449 | 4954 | FCR6528 | 5010 | FCR6611 |
| 4787 | FCR6268 | 4843 | FCR6363 | 4899 | FCR6450 | 4955 | FCR6529 | 5011 | FCR6616 |
| 4788 | FCR6269 | 4844 | FCR6367 | 4900 | fc6452 | 4956 | FCR6530 | 5012 | FCR6617 |
| 4789 | FCR6272 | 4845 | FCR6369 | 4901 | FCR6455 | 4957 | FCR6531 | 5013 | FCR6618 |
| 4790 | FCR6273 | 4846 | FCR6375 | 4902 | FCR6457 | 4958 | FCR6532 | 5014 | FCR6619 |
| 4791 | FCR6274 | 4847 | fc6376 | 4903 | FCR6459 | 4959 | FCR6533 | 5015 | FCR6620 |
| 4792 | FCR6275 | 4848 | fc6378n | 4904 | FCR6460 | 4960 | FCR6534 | 5016 | FCR6621 |
| 4793 | FCR6276 | 4849 | fc6379 | 4905 | FCR6461 | 4961 | FCR6536 | 5017 | FCR6622 |
| 4794 | FCR6277 | 4850 | FCR6382 | 4906 | FCR6462 | 4962 | fc6537n | 5018 | FCR6623 |
| 4795 | FCR6279 | 4851 | FCR6383 | 4907 | FCR6463 | 4963 | FCR6538 | 5019 | FCR6626 |
| 4796 | fc6281 | 4852 | fc6385 | 4908 | FCR6464 | 4964 | FCR6539 | 5020 | FCR6627 |
| 4797 | FCR6282 | 4853 | FCR6386 | 4909 | FCR6465 | 4965 | FCR6541 | 5021 | FCR6628 |
| 4798 | FCR6284 | 4854 | FCR6389 | 4910 | FCR6466 | 4966 | FCR6543 | 5022 | FCR6629 |
| 4799 | FCR6285 | 4855 | FCR6390 | 4911 | FCR6467 | 4967 | FCR6546 | 5023 | FCR6630 |
| 4800 | FCR6286 | 4856 | FCR6393 | 4912 | FCR6468 | 4968 | FCR6547 | 5024 | FCR6631 |
| 4801 | FCR6288 | 4857 | FCR6394 | 4913 | FCR6469 | 4969 | FCR6548 | 5025 | FCR6633 |
| 4802 | fc6291n | 4858 | FCR6395 | 4914 | FCR6471 | 4970 | FCR6549 | 5026 | FCR6634 |
| 4803 | FCR6292 | 4859 | FCR6396 | 4915 | FCR6472 | 4971 | FCR6550 | 5027 | FCR6635 |
| 4804 | FCR6295 | 4860 | FCR6398 | 4916 | FCR6476 | 4972 | FCR6551 | 5028 | FCR6636 |
| 4805 | fc6296 | 4861 | FCR6399 | 4917 | FCR6478 | 4973 | fc6552n | 5029 | FCR6637 |
| 4806 | FCR6299 | 4862 | FCR6400 | 4918 | FCR6479 | 4974 | FCR6553 | 5030 | fc6639 |
| 4807 | FCR6301 | 4863 | FCR6401 | 4919 | FCR6481 | 4975 | FCR6554 | 5031 | fc6640 |
| 4808 | FCR6303 | 4864 | FCR6402 | 4920 | FCR6482 | 4976 | FCR6555 | 5032 | fc6641 |
| 4809 | FCR6307 | 4865 | FCR6403 | 4921 | FCR6483 | 4977 | FCR6556 | 5033 | FCR6651 |
| 4810 | fc6308 | 4866 | FCR6404 | 4922 | FCR6484 | 4978 | FCR6557 | 5034 | FCR6657 |
| 4811 | FCR6309 | 4867 | FCR6407 | 4923 | FCR6485 | 4979 | FCR6560 | 5035 | FCR6658 |
| 4812 | fc6310 | 4868 | FCR6408 | 4924 | FCR6486 | 4980 | FCR6561 | 5036 | FCR6660 |
| 4813 | FCR6312 | 4869 | FCR6409 | 4925 | fc6487 | 4981 | FCR6562 | 5037 | FCR6662 |
| 4814 | FCR6314 | 4870 | FCR6410 | 4926 | fc6488 | 4982 | FCR6564 | 5038 | FCR6663 |
| 4815 | FCR6317 | 4871 | FCR6411 | 4927 | FCR6489 | 4983 | FCR6565 | 5039 | fc6664n |
| 4816 | FCR6319 | 4872 | FCR6412 | 4928 | FCR6491 | 4984 | FCR6566 | 5040 | FCR6665 |

Figure 6B – Continued

| | | | | | | | | | |
|------|---------|------|---------|------|---------|------|---------|------|---------|
| 5041 | FCR6667 | 5097 | FCR6788 | 5153 | FCR6879 | 5209 | FCR6958 | 5265 | FCR7049 |
| 5042 | FCR6669 | 5098 | FCR6789 | 5154 | FCR6881 | 5210 | FCR6960 | 5266 | FCR7050 |
| 5043 | FCR6670 | 5099 | FCR6792 | 5155 | FCR6882 | 5211 | FCR6961 | 5267 | FCR7051 |
| 5044 | FCR6683 | 5100 | FCR6793 | 5156 | FCR6883 | 5212 | FCR6962 | 5268 | FCR7054 |
| 5045 | fc6687 | 5101 | FCR6794 | 5157 | FCR6884 | 5213 | FCR6963 | 5269 | FCR7055 |
| 5046 | FCR6688 | 5102 | FCR6795 | 5158 | FCR6886 | 5214 | FCR6964 | 5270 | FCR7056 |
| 5047 | FCR6689 | 5103 | fc6796 | 5159 | FCR6887 | 5215 | FCR6967 | 5271 | FCR7057 |
| 5048 | FCR6690 | 5104 | FCR6797 | 5160 | FCR6888 | 5216 | FCR6968 | 5272 | FCR7058 |
| 5049 | FCR6691 | 5105 | FCR6798 | 5161 | FCR6889 | 5217 | FCR6969 | 5273 | FCR7059 |
| 5050 | FCR6692 | 5106 | FCR6800 | 5162 | fc6891n | 5218 | FCR6970 | 5274 | FCR7060 |
| 5051 | FCR6693 | 5107 | FCR6801 | 5163 | FCR6892 | 5219 | fc6973 | 5275 | fc7062 |
| 5052 | FCR6696 | 5108 | FCR6802 | 5164 | FCR6893 | 5220 | FCR6975 | 5276 | FCR7063 |
| 5053 | FCR6697 | 5109 | FCR6803 | 5165 | FCR6894 | 5221 | FCR6976 | 5277 | FCR7065 |
| 5054 | FCR6698 | 5110 | FCR6804 | 5166 | FCR6895 | 5222 | FCR6977 | 5278 | FCR7067 |
| 5055 | FCR6700 | 5111 | FCR6805 | 5167 | FCR6896 | 5223 | FCR6980 | 5279 | FCR7069 |
| 5056 | FCR6701 | 5112 | FCR6807 | 5168 | FCR6897 | 5224 | FCR6983 | 5280 | FCR7070 |
| 5057 | FCR6702 | 5113 | FCR6808 | 5169 | FCR6900 | 5225 | FCR6985 | 5281 | FCR7071 |
| 5058 | FCR6703 | 5114 | FCR6809 | 5170 | FCR6901 | 5226 | FCR6987 | 5282 | FCR7072 |
| 5059 | FCR6704 | 5115 | FCR6810 | 5171 | FCR6902 | 5227 | FCR6994 | 5283 | FCR7073 |
| 5060 | fc6707n | 5116 | FCR6811 | 5172 | fc6903 | 5228 | FCR6996 | 5284 | FCR7074 |
| 5061 | fc6708 | 5117 | FCR6816 | 5173 | FCR6905 | 5229 | FCR6998 | 5285 | FCR7087 |
| 5062 | FCR6709 | 5118 | FCR6817 | 5174 | FCR6907 | 5230 | FCR6999 | 5286 | FCR7089 |
| 5063 | FCR6710 | 5119 | FCR6820 | 5175 | FCR6908 | 5231 | FCR7000 | 5287 | FCR7090 |
| 5064 | FCR6712 | 5120 | FCR6821 | 5176 | FCR6909 | 5232 | FCR7001 | 5288 | FCR7091 |
| 5065 | fc6713n | 5121 | fc6825 | 5177 | FCR6910 | 5233 | FCR7002 | 5289 | FCR7092 |
| 5066 | FCR6714 | 5122 | FCR6826 | 5178 | fc6911 | 5234 | FCR7004 | 5290 | FCR7095 |
| 5067 | FCR6723 | 5123 | FCR6827 | 5179 | FCR6912 | 5235 | FCR7006 | 5291 | FCR7098 |
| 5068 | FCR6725 | 5124 | fc6829 | 5180 | FCR6913 | 5236 | FCR7007 | 5292 | FCR7099 |
| 5069 | FCR6730 | 5125 | FCR6830 | 5181 | FCR6914 | 5237 | FCR7008 | 5293 | FCR7100 |
| 5070 | FCR6733 | 5126 | FCR6831 | 5182 | FCR6915 | 5238 | FCR7009 | 5294 | FCR7101 |
| 5071 | FCR6735 | 5127 | FCR6834 | 5183 | FCR6916 | 5239 | FCR7010 | 5295 | FCR7102 |
| 5072 | FCR6737 | 5128 | FCR6836 | 5184 | FCR6920 | 5240 | FCR7011 | 5296 | FCR7103 |
| 5073 | FCR6738 | 5129 | FCR6838 | 5185 | FCR6924 | 5241 | fc7012n | 5297 | FCR7104 |
| 5074 | FCR6739 | 5130 | fc6840 | 5186 | FCR6925 | 5242 | FCR7015 | 5298 | FCR7106 |
| 5075 | FCR6740 | 5131 | FCR6841 | 5187 | FCR6927 | 5243 | fc7016 | 5299 | FCR7107 |
| 5076 | FCR6744 | 5132 | FCR6847 | 5188 | FCR6928 | 5244 | FCR7018 | 5300 | FCR7108 |
| 5077 | FCR6746 | 5133 | FCR6850 | 5189 | FCR6929 | 5245 | FCR7019 | 5301 | FCR7110 |
| 5078 | FCR6747 | 5134 | FCR6851 | 5190 | FCR6930 | 5246 | FCR7020 | 5302 | FCR7111 |
| 5079 | fc6748n | 5135 | fc6852n | 5191 | FCR6931 | 5247 | fc7021 | 5303 | FCR7112 |
| 5080 | FCR6751 | 5136 | FCR6854 | 5192 | FCR6932 | 5248 | FCR7025 | 5304 | FCR7114 |
| 5081 | fc6752n | 5137 | FCR6857 | 5193 | fc6933 | 5249 | FCR7026 | 5305 | FCR7115 |
| 5082 | FCR6753 | 5138 | fc6858 | 5194 | FCR6936 | 5250 | FCR7027 | 5306 | FCR7116 |
| 5083 | FCR6754 | 5139 | FCR6859 | 5195 | FCR6937 | 5251 | FCR7029 | 5307 | FCR7117 |
| 5084 | FCR6756 | 5140 | FCR6862 | 5196 | FCR6938 | 5252 | FCR7031 | 5308 | FCR7118 |
| 5085 | FCR6757 | 5141 | FCR6863 | 5197 | FCR6941 | 5253 | FCR7032 | 5309 | FCR7119 |
| 5086 | FCR6759 | 5142 | FCR6866 | 5198 | FCR6942 | 5254 | FCR7033 | 5310 | FCR7120 |
| 5087 | FCR6760 | 5143 | FCR6867 | 5199 | FCR6943 | 5255 | FCR7034 | 5311 | FCR7123 |
| 5088 | FCR6766 | 5144 | FCR6869 | 5200 | FCR6944 | 5256 | FCR7039 | 5312 | FCR7124 |
| 5089 | FCR6770 | 5145 | FCR6870 | 5201 | FCR6945 | 5257 | FCR7040 | 5313 | FCR7125 |
| 5090 | FCR6773 | 5146 | FCR6871 | 5202 | FCR6947 | 5258 | FCR7041 | 5314 | FCR7127 |
| 5091 | FCR6774 | 5147 | FCR6872 | 5203 | fc6948 | 5259 | FCR7042 | 5315 | FCR7128 |
| 5092 | FCR6775 | 5148 | FCR6873 | 5204 | fc6950 | 5260 | FCR7043 | 5316 | FCR7129 |
| 5093 | FCR6776 | 5149 | FCR6874 | 5205 | fc6951 | 5261 | FCR7044 | 5317 | FCR7130 |
| 5094 | FCR6778 | 5150 | FCR6876 | 5206 | FCR6952 | 5262 | FCR7045 | 5318 | FCR7133 |
| 5095 | FCR6784 | 5151 | FCR6877 | 5207 | FCR6955 | 5263 | FCR7046 | 5319 | fc7134n |
| 5096 | FCR6785 | 5152 | FCR6878 | 5208 | FCR6957 | 5264 | fc7047 | 5320 | FCR7136 |

Figure 6B - Continued

| | | | | | | | | | |
|------|---------|------|---------|------|----------|------|----------|------|----------|
| 5321 | FCR7137 | 5377 | FCR7221 | 5433 | FCR7303 | 5489 | FCR7382 | 5545 | lcr7509 |
| 5322 | FCR7138 | 5378 | FCR7222 | 5434 | FCR7304 | 5490 | FCR7383 | 5546 | FCR7511 |
| 5323 | FCR7139 | 5379 | FCR7223 | 5435 | FCR7305 | 5491 | FCR7385 | 5547 | FCR7512 |
| 5324 | FCR7140 | 5380 | FCR7225 | 5436 | FCR7307 | 5492 | FCR7386 | 5548 | FCR7513 |
| 5325 | FCR7141 | 5381 | FCR7227 | 5437 | FCR7308 | 5493 | lcr7387 | 5549 | FCR7516 |
| 5326 | FCR7143 | 5382 | FCR7228 | 5438 | FCR7309 | 5494 | FCR7388 | 5550 | FCR7518 |
| 5327 | FCR7146 | 5383 | FCR7230 | 5439 | FCR7310 | 5495 | FCR7390 | 5551 | FCR7519 |
| 5328 | FCR7147 | 5384 | lcr7232 | 5440 | FCR7311 | 5496 | FCR7391 | 5552 | FCR7521 |
| 5329 | FCR7150 | 5385 | FCR7233 | 5441 | FCR7315 | 5497 | FCR7400 | 5553 | FCR7522 |
| 5330 | FCR7151 | 5386 | FCR7236 | 5442 | lcr7316 | 5498 | FCR7401 | 5554 | FCR7523 |
| 5331 | lcr7152 | 5387 | FCR7237 | 5443 | FCR7318 | 5499 | FCR7403 | 5555 | FCR7527 |
| 5332 | FCR7153 | 5388 | lcr7238 | 5444 | lcr7319 | 5500 | lcr7404n | 5556 | FCR7541 |
| 5333 | FCR7154 | 5389 | FCR7239 | 5445 | FCR7322 | 5501 | FCR7405 | 5557 | FCR7542 |
| 5334 | FCR7155 | 5390 | FCR7240 | 5446 | lcr7323 | 5502 | FCR7406 | 5558 | FCR7543 |
| 5335 | FCR7157 | 5391 | FCR7241 | 5447 | FCR7324 | 5503 | FCR7407 | 5559 | FCR7544 |
| 5336 | FCR7158 | 5392 | FCR7243 | 5448 | lcr7325 | 5504 | lcr7408n | 5560 | lcr7545n |
| 5337 | FCR7159 | 5393 | FCR7244 | 5449 | FCR7327 | 5505 | FCR7409 | 5561 | FCR7546 |
| 5338 | FCR7161 | 5394 | FCR7245 | 5450 | FCR7328 | 5506 | FCR7411 | 5562 | FCR7547 |
| 5339 | FCR7163 | 5395 | FCR7246 | 5451 | FCR7329 | 5507 | FCR7412 | 5563 | FCR7548 |
| 5340 | FCR7164 | 5396 | FCR7247 | 5452 | FCR7330 | 5508 | FCR7414 | 5564 | FCR7549 |
| 5341 | FCR7166 | 5397 | FCR7248 | 5453 | FCR7331 | 5509 | FCR7415 | 5565 | FCR7550 |
| 5342 | FCR7167 | 5398 | FCR7249 | 5454 | FCR7332 | 5510 | FCR7416 | 5566 | FCR7551 |
| 5343 | FCR7168 | 5399 | FCR7251 | 5455 | FCR7333 | 5511 | FCR7418 | 5567 | lcr7552 |
| 5344 | FCR7169 | 5400 | FCR7252 | 5456 | FCR7337 | 5512 | FCR7419 | 5568 | FCR7553 |
| 5345 | FCR7171 | 5401 | FCR7253 | 5457 | FCR7338 | 5513 | FCR7421 | 5569 | FCR7557 |
| 5346 | FCR7175 | 5402 | FCR7254 | 5458 | FCR7341 | 5514 | FCR7423 | 5570 | FCR7559 |
| 5347 | FCR7177 | 5403 | FCR7255 | 5459 | lcr7342 | 5515 | FCR7424 | 5571 | FCR7561 |
| 5348 | FCR7178 | 5404 | FCR7256 | 5460 | FCR7343 | 5516 | FCR7425 | 5572 | FCR7562 |
| 5349 | FCR7179 | 5405 | FCR7259 | 5461 | FCR7344 | 5517 | FCR7426 | 5573 | FCR7566 |
| 5350 | FCR7180 | 5406 | FCR7261 | 5462 | FCR7345 | 5518 | FCR7427 | 5574 | FCR7568 |
| 5351 | FCR7181 | 5407 | FCR7262 | 5463 | lcr7346n | 5519 | FCR7428 | 5575 | lcr7569 |
| 5352 | FCR7183 | 5408 | FCR7264 | 5464 | FCR7349 | 5520 | FCR7429 | 5576 | FCR7570 |
| 5353 | FCR7185 | 5409 | lcr7266 | 5465 | FCR7351 | 5521 | FCR7430 | 5577 | FCR7571 |
| 5354 | FCR7188 | 5410 | FCR7267 | 5466 | FCR7353 | 5522 | FCR7431 | 5578 | lcr7572 |
| 5355 | FCR7189 | 5411 | FCR7268 | 5467 | FCR7354 | 5523 | FCR7446 | 5579 | FCR7573 |
| 5356 | FCR7190 | 5412 | FCR7269 | 5468 | FCR7357 | 5524 | FCR7448 | 5580 | FCR7578 |
| 5357 | FCR7191 | 5413 | FCR7272 | 5469 | FCR7360 | 5525 | FCR7449 | 5581 | FCR7580 |
| 5358 | FCR7193 | 5414 | FCR7274 | 5470 | FCR7361 | 5526 | FCR7453 | 5582 | FCR7585 |
| 5359 | FCR7195 | 5415 | FCR7277 | 5471 | FCR7362 | 5527 | FCR7458 | 5583 | FCR7586 |
| 5360 | FCR7196 | 5416 | FCR7280 | 5472 | FCR7363 | 5528 | lcr7460 | 5584 | FCR7587 |
| 5361 | FCR7197 | 5417 | FCR7282 | 5473 | FCR7364 | 5529 | FCR7465 | 5585 | lcr7588 |
| 5362 | FCR7198 | 5418 | lcr7283 | 5474 | FCR7365 | 5530 | FCR7468 | 5586 | FCR7591 |
| 5363 | FCR7199 | 5419 | FCR7284 | 5475 | FCR7367 | 5531 | FCR7469 | 5587 | FCR7592 |
| 5364 | FCR7200 | 5420 | FCR7286 | 5476 | FCR7368 | 5532 | FCR7470 | 5588 | FCR7597 |
| 5365 | FCR7201 | 5421 | FCR7288 | 5477 | FCR7369 | 5533 | FCR7471 | 5589 | FCR7602 |
| 5366 | FCR7202 | 5422 | FCR7289 | 5478 | FCR7370 | 5534 | lcr7472 | 5590 | FCR7604 |
| 5367 | FCR7204 | 5423 | FCR7290 | 5479 | FCR7371 | 5535 | FCR7473 | 5591 | FCR7605 |
| 5368 | FCR7205 | 5424 | FCR7291 | 5480 | lcr7372 | 5536 | lcr7474 | 5592 | FCR7609 |
| 5369 | FCR7206 | 5425 | FCR7292 | 5481 | FCR7373 | 5537 | FCR7476 | 5593 | FCR7610 |
| 5370 | FCR7207 | 5426 | FCR7293 | 5482 | FCR7374 | 5538 | FCR7477 | 5594 | lcr7613n |
| 5371 | FCR7208 | 5427 | FCR7294 | 5483 | FCR7375 | 5539 | lcr7481n | 5595 | FCR7614 |
| 5372 | FCR7209 | 5428 | lcr7295 | 5484 | FCR7377 | 5540 | FCR7498 | 5596 | FCR7621 |
| 5373 | FCR7210 | 5429 | FCR7296 | 5485 | FCR7378 | 5541 | FCR7500 | 5597 | lcr7622 |
| 5374 | FCR7216 | 5430 | FCR7297 | 5486 | FCR7379 | 5542 | FCR7502 | 5598 | FCR7623 |
| 5375 | FCR7217 | 5431 | FCR7299 | 5487 | FCR7380 | 5543 | FCR7505 | 5599 | FCR7624 |
| 5376 | FCR7220 | 5432 | FCR7301 | 5488 | FCR7381 | 5544 | FCR7508 | 5600 | FCR7625 |

Figure 6B - Continued

| | | | | | | | | | |
|------|----------|------|----------|------|----------|------|----------|------|----------|
| 5601 | FCR7626 | 5657 | fcr7738 | 5713 | fcrb0056 | 5769 | fcrb0131 | 5825 | fcrb0233 |
| 5602 | FCR7630 | 5658 | FCR7739 | 5714 | fcrb0057 | 5770 | fcrb0132 | 5826 | fcrb0241 |
| 5603 | FCR7636 | 5659 | FCR7740 | 5715 | fcrb0059 | 5771 | fcrb0134 | 5827 | fcrb0245 |
| 5604 | FCR7637 | 5660 | FCR7741 | 5716 | fcrb0061 | 5772 | fcrb0135 | 5828 | fcrb0247 |
| 5605 | FCR7638 | 5661 | FCR7742 | 5717 | fcrb0062 | 5773 | fcrb0136 | 5829 | fcrb0249 |
| 5606 | FCR7640 | 5662 | FCR7743 | 5718 | fcrb0063 | 5774 | fcrb0137 | 5830 | fcrb0250 |
| 5607 | FCR7642 | 5663 | FCR7744 | 5719 | fcrb0064 | 5775 | fcrb0138 | 5831 | fcrb0251 |
| 5608 | FCR7643 | 5664 | FCR7745 | 5720 | fcrb0066 | 5776 | fcrb0139 | 5832 | fcrb0253 |
| 5609 | FCR7644 | 5665 | fcrb0001 | 5721 | fcrb0067 | 5777 | fcrb0140 | 5833 | fcrb0255 |
| 5610 | FCR7646 | 5666 | fcrb0002 | 5722 | fcrb0068 | 5778 | fcrb0141 | 5834 | fcrb0256 |
| 5611 | FCR7648 | 5667 | fcrb0003 | 5723 | fcrb0069 | 5779 | fcrb0142 | 5835 | fcrb0257 |
| 5612 | FCR7649 | 5668 | fcrb0004 | 5724 | fcrb0071 | 5780 | fcrb0144 | 5836 | fcrb0258 |
| 5613 | FCR7656 | 5669 | fcrb0005 | 5725 | fcrb0072 | 5781 | fcrb0145 | 5837 | fcrb0259 |
| 5614 | FCR7657 | 5670 | fcrb0006 | 5726 | fcrb0073 | 5782 | fcrb0146 | 5838 | fcrb0260 |
| 5615 | FCR7658 | 5671 | fcrb0007 | 5727 | fcrb0074 | 5783 | fcrb0148 | 5839 | fcrb0261 |
| 5616 | FCR7659 | 5672 | fcrb0008 | 5728 | fcrb0079 | 5784 | fcrb0149 | 5840 | fcrb0263 |
| 5617 | fcr7663n | 5673 | fcrb0009 | 5729 | fcrb0080 | 5785 | fcrb0150 | 5841 | fcrb0265 |
| 5618 | FCR7665 | 5674 | fcrb0010 | 5730 | fcrb0081 | 5786 | fcrb0151 | 5842 | fcrb0266 |
| 5619 | FCR7667 | 5675 | fcrb0012 | 5731 | fcrb0082 | 5787 | fcrb0153 | 5843 | fcrb0268 |
| 5620 | FCR7669 | 5676 | fcrb0013 | 5732 | fcrb0083 | 5788 | fcrb0154 | 5844 | fcrb0269 |
| 5621 | fcr7671n | 5677 | fcrb0014 | 5733 | fcrb0086 | 5789 | fcrb0155 | 5845 | fcrb0270 |
| 5622 | FCR7675 | 5678 | fcrb0015 | 5734 | fcrb0088 | 5790 | fcrb0156 | 5846 | fcrb0272 |
| 5623 | FCR7680 | 5679 | fcrb0016 | 5735 | fcrb0089 | 5791 | fcrb0157 | 5847 | fcrb0273 |
| 5624 | FCR7681 | 5680 | fcrb0017 | 5736 | fcrb0091 | 5792 | fcrb0160 | 5848 | fcrb0275 |
| 5625 | FCR7682 | 5681 | fcrb0018 | 5737 | fcrb0092 | 5793 | fcrb0163 | 5849 | fcrb0276 |
| 5626 | FCR7683 | 5682 | fcrb0019 | 5738 | fcrb0093 | 5794 | fcrb0168 | 5850 | fcrb0277 |
| 5627 | FCR7684 | 5683 | fcrb0020 | 5739 | fcrb0095 | 5795 | fcrb0169 | 5851 | fcrb0280 |
| 5628 | FCR7685 | 5684 | fcrb0021 | 5740 | fcrb0096 | 5796 | fcrb0171 | 5852 | fcrb0283 |
| 5629 | FCR7689 | 5685 | fcrb0023 | 5741 | fcrb0097 | 5797 | fcrb0172 | 5853 | fcrb0284 |
| 5630 | FCR7692 | 5686 | fcrb0025 | 5742 | fcrb0098 | 5798 | fcrb0173 | 5854 | fcrb0285 |
| 5631 | FCR7693 | 5687 | fcrb0026 | 5743 | fcrb0099 | 5799 | fcrb0174 | 5855 | fcrb0288 |
| 5632 | FCR7694 | 5688 | fcrb0027 | 5744 | fcrb0100 | 5800 | fcrb0177 | 5856 | fcrb0289 |
| 5633 | FCR7695 | 5689 | fcrb0028 | 5745 | fcrb0101 | 5801 | fcrb0178 | 5857 | fcrb0290 |
| 5634 | FCR7696 | 5690 | fcrb0029 | 5746 | fcrb0102 | 5802 | fcrb0179 | 5858 | fcrb0292 |
| 5635 | FCR7697 | 5691 | fcrb0030 | 5747 | fcrb0103 | 5803 | fcrb0184 | 5859 | fcrb0293 |
| 5636 | FCR7700 | 5692 | fcrb0032 | 5748 | fcrb0104 | 5804 | fcrb0185 | 5860 | fcrb0295 |
| 5637 | FCR7702 | 5693 | fcrb0033 | 5749 | fcrb0106 | 5805 | fcrb0187 | 5861 | fcrb0296 |
| 5638 | FCR7705 | 5694 | fcrb0034 | 5750 | fcrb0107 | 5806 | fcrb0190 | 5862 | fcrb0298 |
| 5639 | FCR7710 | 5695 | fcrb0035 | 5751 | fcrb0108 | 5807 | fcrb0192 | 5863 | fcrb0299 |
| 5640 | FCR7711 | 5696 | fcrb0036 | 5752 | fcrb0109 | 5808 | fcrb0193 | 5864 | fcrb0300 |
| 5641 | FCR7713 | 5697 | fcrb0037 | 5753 | fcrb0110 | 5809 | fcrb0194 | 5865 | fcrb0301 |
| 5642 | FCR7714 | 5698 | fcrb0038 | 5754 | fcrb0111 | 5810 | fcrb0196 | 5866 | fcrb0302 |
| 5643 | FCR7715 | 5699 | fcrb0039 | 5755 | fcrb0114 | 5811 | fcrb0198 | 5867 | fcrb0304 |
| 5644 | FCR7719 | 5700 | fcrb0040 | 5756 | fcrb0115 | 5812 | fcrb0200 | 5868 | fcrb0305 |
| 5645 | FCR7721 | 5701 | fcrb0042 | 5757 | fcrb0117 | 5813 | fcrb0201 | 5869 | fcrb0306 |
| 5646 | FCR7725 | 5702 | fcrb0044 | 5758 | fcrb0118 | 5814 | fcrb0202 | 5870 | fcrb0308 |
| 5647 | FCR7726 | 5703 | fcrb0045 | 5759 | fcrb0119 | 5815 | fcrb0204 | 5871 | fcrb0309 |
| 5648 | FCR7727 | 5704 | fcrb0046 | 5760 | fcrb0120 | 5816 | fcrb0205 | 5872 | fcrb0311 |
| 5649 | FCR7728 | 5705 | fcrb0048 | 5761 | fcrb0121 | 5817 | fcrb0207 | 5873 | fcrb0312 |
| 5650 | FCR7729 | 5706 | fcrb0049 | 5762 | fcrb0122 | 5818 | fcrb0211 | 5874 | fcrb0313 |
| 5651 | FCR7730 | 5707 | fcrb0050 | 5763 | fcrb0124 | 5819 | fcrb0212 | 5875 | fcrb0315 |
| 5652 | fcr7731 | 5708 | fcrb0051 | 5764 | fcrb0125 | 5820 | fcrb0213 | 5876 | fcrb0316 |
| 5653 | fcr7733 | 5709 | fcrb0052 | 5765 | fcrb0126 | 5821 | fcrb0216 | 5877 | fcrb0317 |
| 5654 | fcr7734 | 5710 | fcrb0053 | 5766 | fcrb0127 | 5822 | fcrb0218 | 5878 | fcrb0318 |
| 5655 | fcr7735n | 5711 | fcrb0054 | 5767 | fcrb0129 | 5823 | fcrb0220 | 5879 | fcrb0319 |
| 5656 | FCR7737 | 5712 | fcrb0055 | 5768 | fcrb0130 | 5824 | fcrb0221 | 5880 | fcrb0322 |

Figure 6B - Continued

| | | | | | | | | | |
|------|----------|------|----------|------|----------|------|----------|------|----------|
| 5881 | fcrb0325 | 5937 | fcrb0408 | 5993 | fcrb0617 | 6049 | fcrb0728 | 6105 | fcrb0971 |
| 5882 | fcrb0326 | 5938 | fcrb0409 | 5994 | fcrb0619 | 6050 | fcrb0729 | 6106 | fcrb0972 |
| 5883 | fcrb0327 | 5939 | fcrb0414 | 5995 | fcrb0620 | 6051 | fcrb0732 | 6107 | fcrb0973 |
| 5884 | fcrb0331 | 5940 | fcrb0416 | 5996 | fcrb0621 | 6052 | fcrb0734 | 6108 | fcrb0974 |
| 5885 | fcrb0332 | 5941 | fcrb0418 | 5997 | fcrb0622 | 6053 | fcrb0735 | 6109 | fcrb0975 |
| 5886 | fcrb0334 | 5942 | fcrb0419 | 5998 | fcrb0623 | 6054 | fcrb0736 | 6110 | fcrb0976 |
| 5887 | fcrb0335 | 5943 | fcrb0420 | 5999 | fcrb0624 | 6055 | fcrb0737 | 6111 | fcrb0978 |
| 5888 | fcrb0336 | 5944 | fcrb0422 | 6000 | fcrb0625 | 6056 | fcrb0742 | 6112 | fcrb0979 |
| 5889 | fcrb0338 | 5945 | fcrb0424 | 6001 | fcrb0626 | 6057 | fcrb0743 | 6113 | fcrb0984 |
| 5890 | fcrb0339 | 5946 | fcrb0425 | 6002 | fcrb0630 | 6058 | fcrb0745 | 6114 | fcrb0985 |
| 5891 | fcrb0342 | 5947 | fcrb0426 | 6003 | fcrb0631 | 6059 | fcrb0750 | 6115 | fcrb0986 |
| 5892 | fcrb0343 | 5948 | fcrb0427 | 6004 | fcrb0632 | 6060 | fcrb0751 | 6116 | fcrb0988 |
| 5893 | fcrb0344 | 5949 | fcrb0428 | 6005 | fcrb0633 | 6061 | fcrb0752 | 6117 | fcrb0991 |
| 5894 | fcrb0345 | 5950 | fcrb0429 | 6006 | fcrb0634 | 6062 | fcrb0755 | 6118 | fcrb0992 |
| 5895 | fcrb0346 | 5951 | fcrb0431 | 6007 | fcrb0638 | 6063 | fcrb0758 | 6119 | fcrb0993 |
| 5896 | fcrb0348 | 5952 | fcrb0433 | 6008 | fcrb0639 | 6064 | fcrb0773 | 6120 | fcrb0994 |
| 5897 | fcrb0349 | 5953 | fcrb0434 | 6009 | fcrb0640 | 6065 | fcrb0784 | 6121 | fcrb0995 |
| 5898 | fcrb0350 | 5954 | fcrb0436 | 6010 | fcrb0641 | 6066 | fcrb0787 | 6122 | fcrb0997 |
| 5899 | fcrb0352 | 5955 | fcrb0439 | 6011 | fcrb0643 | 6067 | fcrb0791 | 6123 | fcrb0999 |
| 5900 | fcrb0353 | 5956 | fcrb0440 | 6012 | fcrb0646 | 6068 | fcrb0793 | 6124 | fcrb1000 |
| 5901 | fcrb0354 | 5957 | fcrb0441 | 6013 | fcrb0654 | 6069 | fcrb0796 | 6125 | fcrb1001 |
| 5902 | fcrb0355 | 5958 | fcrb0442 | 6014 | fcrb0655 | 6070 | fcrb0805 | 6126 | fcrb1002 |
| 5903 | fcrb0356 | 5959 | fcrb0443 | 6015 | fcrb0657 | 6071 | fcrb0810 | 6127 | fcrb1007 |
| 5904 | fcrb0358 | 5960 | fcrb0444 | 6016 | fcrb0662 | 6072 | fcrb0815 | 6128 | fcrb1009 |
| 5905 | fcrb0359 | 5961 | fcrb0445 | 6017 | fcrb0664 | 6073 | fcrb0819 | 6129 | fcrb1011 |
| 5906 | fcrb0360 | 5962 | fcrb0446 | 6018 | fcrb0665 | 6074 | fcrb0828 | 6130 | fcrb1012 |
| 5907 | fcrb0361 | 5963 | fcrb0448 | 6019 | fcrb0667 | 6075 | fcrb0831 | 6131 | fcrb1013 |
| 5908 | fcrb0362 | 5964 | fcrb0450 | 6020 | fcrb0670 | 6076 | fcrb0843 | 6132 | fcrb1017 |
| 5909 | fcrb0363 | 5965 | fcrb0564 | 6021 | fcrb0671 | 6077 | fcrb0845 | 6133 | fcrb1018 |
| 5910 | fcrb0365 | 5966 | fcrb0567 | 6022 | fcrb0673 | 6078 | fcrb0855 | 6134 | fcrb1019 |
| 5911 | fcrb0366 | 5967 | fcrb0568 | 6023 | fcrb0677 | 6079 | fcrb0870 | 6135 | fcrb1020 |
| 5912 | fcrb0367 | 5968 | fcrb0569 | 6024 | fcrb0678 | 6080 | fcrb0881 | 6136 | fcrb1021 |
| 5913 | fcrb0369 | 5969 | fcrb0574 | 6025 | fcrb0681 | 6081 | fcrb0887 | 6137 | fcrb1022 |
| 5914 | fcrb0370 | 5970 | fcrb0575 | 6026 | fcrb0682 | 6082 | fcrb0894 | 6138 | fcrb1023 |
| 5915 | fcrb0371 | 5971 | fcrb0576 | 6027 | fcrb0684 | 6083 | fcrb0896 | 6139 | fcrb1024 |
| 5916 | fcrb0372 | 5972 | fcrb0577 | 6028 | fcrb0686 | 6084 | fcrb0904 | 6140 | fcrb1026 |
| 5917 | fcrb0374 | 5973 | fcrb0582 | 6029 | fcrb0687 | 6085 | fcrb0907 | 6141 | fcrb1027 |
| 5918 | fcrb0376 | 5974 | fcrb0583 | 6030 | fcrb0688 | 6086 | fcrb0909 | 6142 | fcrb1030 |
| 5919 | fcrb0377 | 5975 | fcrb0584 | 6031 | fcrb0689 | 6087 | fcrb0910 | 6143 | fcrb1032 |
| 5920 | fcrb0378 | 5976 | fcrb0585 | 6032 | fcrb0693 | 6088 | fcrb0916 | 6144 | fcrb1033 |
| 5921 | fcrb0381 | 5977 | fcrb0587 | 6033 | fcrb0696 | 6089 | fcrb0920 | 6145 | fcrb1034 |
| 5922 | fcrb0382 | 5978 | fcrb0590 | 6034 | fcrb0697 | 6090 | fcrb0924 | 6146 | fcrb1035 |
| 5923 | fcrb0384 | 5979 | fcrb0591 | 6035 | fcrb0702 | 6091 | fcrb0926 | 6147 | fcrb1037 |
| 5924 | fcrb0385 | 5980 | fcrb0592 | 6036 | fcrb0703 | 6092 | fcrb0938 | 6148 | fcrb1038 |
| 5925 | fcrb0386 | 5981 | fcrb0593 | 6037 | fcrb0704 | 6093 | fcrb0946 | 6149 | fcrb1039 |
| 5926 | fcrb0388 | 5982 | fcrb0598 | 6038 | fcrb0709 | 6094 | fcrb0952 | 6150 | fcrb1040 |
| 5927 | fcrb0389 | 5983 | fcrb0599 | 6039 | fcrb0710 | 6095 | fcrb0954 | 6151 | fcrb1041 |
| 5928 | fcrb0397 | 5984 | fcrb0600 | 6040 | fcrb0712 | 6096 | fcrb0956 | 6152 | fcrb1042 |
| 5929 | fcrb0398 | 5985 | fcrb0601 | 6041 | fcrb0715 | 6097 | fcrb0957 | 6153 | fcrb1044 |
| 5930 | fcrb0399 | 5986 | fcrb0602 | 6042 | fcrb0716 | 6098 | fcrb0958 | 6154 | fcrb1045 |
| 5931 | fcrb0401 | 5987 | fcrb0606 | 6043 | fcrb0717 | 6099 | fcrb0959 | 6155 | fcrb1048 |
| 5932 | fcrb0402 | 5988 | fcrb0607 | 6044 | fcrb0718 | 6100 | fcrb0960 | 6156 | fcrb1052 |
| 5933 | fcrb0403 | 5989 | fcrb0608 | 6045 | fcrb0720 | 6101 | fcrb0961 | 6157 | fcrb1053 |
| 5934 | fcrb0404 | 5990 | fcrb0613 | 6046 | fcrb0721 | 6102 | fcrb0963 | 6158 | fcrb1054 |
| 5935 | fcrb0406 | 5991 | fcrb0614 | 6047 | fcrb0726 | 6103 | fcrb0966 | 6159 | fcrb1056 |
| 5936 | fcrb0407 | 5992 | fcrb0615 | 6048 | fcrb0727 | 6104 | fcrb0970 | 6160 | fcrb1058 |

Figure 6B - Continued

| | | | | | | | | | |
|------|----------|------|----------|------|----------|------|----------|------|----------|
| 6161 | fcrb1059 | 6217 | fcrb1164 | 6273 | fcrb1249 | 6329 | fcrb1344 | 6385 | fcrb1420 |
| 6162 | fcrb1063 | 6218 | fcrb1165 | 6274 | fcrb1255 | 6330 | fcrb1345 | 6386 | fcrb1421 |
| 6163 | fcrb1065 | 6219 | fcrb1166 | 6275 | fcrb1257 | 6331 | fcrb1346 | 6387 | fcrb1423 |
| 6164 | fcrb1066 | 6220 | fcrb1168 | 6276 | fcrb1258 | 6332 | fcrb1348 | 6388 | fcrb1425 |
| 6165 | fcrb1068 | 6221 | fcrb1169 | 6277 | fcrb1259 | 6333 | fcrb1349 | 6389 | fcrb1427 |
| 6166 | fcrb1069 | 6222 | fcrb1172 | 6278 | fcrb1260 | 6334 | fcrb1350 | 6390 | fcrb1428 |
| 6167 | fcrb1070 | 6223 | fcrb1173 | 6279 | fcrb1261 | 6335 | fcrb1352 | 6391 | fcrb1429 |
| 6168 | fcrb1072 | 6224 | fcrb1174 | 6280 | fcrb1262 | 6336 | fcrb1353 | 6392 | fcrb1430 |
| 6169 | fcrb1073 | 6225 | fcrb1175 | 6281 | fcrb1264 | 6337 | fcrb1354 | 6393 | fcrb1431 |
| 6170 | fcrb1075 | 6226 | fcrb1176 | 6282 | fcrb1265 | 6338 | fcrb1355 | 6394 | fcrb1432 |
| 6171 | fcrb1076 | 6227 | fcrb1178 | 6283 | fcrb1267 | 6339 | fcrb1356 | 6395 | fcrb1433 |
| 6172 | fcrb1079 | 6228 | fcrb1181 | 6284 | fcrb1271 | 6340 | fcrb1357 | 6396 | fcrb1434 |
| 6173 | fcrb1080 | 6229 | fcrb1182 | 6285 | fcrb1272 | 6341 | fcrb1359 | 6397 | fcrb1435 |
| 6174 | fcrb1081 | 6230 | fcrb1183 | 6286 | fcrb1282 | 6342 | fcrb1360 | 6398 | fcrb1436 |
| 6175 | fcrb1082 | 6231 | fcrb1184 | 6287 | fcrb1283 | 6343 | fcrb1361 | 6399 | fcrb1437 |
| 6176 | fcrb1083 | 6232 | fcrb1185 | 6288 | fcrb1286 | 6344 | fcrb1362 | 6400 | fcrb1439 |
| 6177 | fcrb1085 | 6233 | fcrb1186 | 6289 | fcrb1288 | 6345 | fcrb1364 | 6401 | fcrb1441 |
| 6178 | fcrb1088 | 6234 | fcrb1187 | 6290 | fcrb1289 | 6346 | fcrb1366 | 6402 | fcrb1442 |
| 6179 | fcrb1090 | 6235 | fcrb1190 | 6291 | fcrb1290 | 6347 | fcrb1368 | 6403 | fcrb1443 |
| 6180 | fcrb1091 | 6236 | fcrb1191 | 6292 | fcrb1291 | 6348 | fcrb1369 | 6404 | fcrb1446 |
| 6181 | fcrb1093 | 6237 | fcrb1192 | 6293 | fcrb1294 | 6349 | fcrb1370 | 6405 | fcrb1448 |
| 6182 | fcrb1095 | 6238 | fcrb1193 | 6294 | fcrb1295 | 6350 | fcrb1371 | 6406 | fcrb1449 |
| 6183 | fcrb1096 | 6239 | fcrb1194 | 6295 | fcrb1296 | 6351 | fcrb1372 | 6407 | fcrb1450 |
| 6184 | fcrb1101 | 6240 | fcrb1195 | 6296 | fcrb1297 | 6352 | fcrb1373 | 6408 | fcrb1451 |
| 6185 | fcrb1102 | 6241 | fcrb1198 | 6297 | fcrb1299 | 6353 | fcrb1376 | 6409 | fcrb1452 |
| 6186 | fcrb1103 | 6242 | fcrb1199 | 6298 | fcrb1302 | 6354 | fcrb1377 | 6410 | fcrb1453 |
| 6187 | fcrb1107 | 6243 | fcrb1200 | 6299 | fcrb1303 | 6355 | fcrb1378 | 6411 | fcrb1454 |
| 6188 | fcrb1115 | 6244 | fcrb1201 | 6300 | fcrb1304 | 6356 | fcrb1379 | 6412 | fcrb1455 |
| 6189 | fcrb1116 | 6245 | fcrb1202 | 6301 | fcrb1305 | 6357 | fcrb1380 | 6413 | fcrb1457 |
| 6190 | fcrb1117 | 6246 | fcrb1203 | 6302 | fcrb1306 | 6358 | fcrb1381 | 6414 | fcrb1458 |
| 6191 | fcrb1120 | 6247 | fcrb1204 | 6303 | fcrb1307 | 6359 | fcrb1382 | 6415 | fcrb1460 |
| 6192 | fcrb1121 | 6248 | fcrb1206 | 6304 | fcrb1310 | 6360 | fcrb1386 | 6416 | fcrb1462 |
| 6193 | fcrb1122 | 6249 | fcrb1207 | 6305 | fcrb1311 | 6361 | fcrb1387 | 6417 | fcrb1464 |
| 6194 | fcrb1128 | 6250 | fcrb1208 | 6306 | fcrb1312 | 6362 | fcrb1388 | 6418 | fcrb1465 |
| 6195 | fcrb1130 | 6251 | fcrb1209 | 6307 | fcrb1313 | 6363 | fcrb1390 | 6419 | fcrb1466 |
| 6196 | fcrb1133 | 6252 | fcrb1210 | 6308 | fcrb1314 | 6364 | fcrb1391 | 6420 | fcrb1469 |
| 6197 | fcrb1134 | 6253 | fcrb1214 | 6309 | fcrb1315 | 6365 | fcrb1392 | 6421 | fcrb1472 |
| 6198 | fcrb1135 | 6254 | fcrb1218 | 6310 | fcrb1318 | 6366 | fcrb1394 | 6422 | fcrb1473 |
| 6199 | fcrb1136 | 6255 | fcrb1219 | 6311 | fcrb1320 | 6367 | fcrb1395 | 6423 | fcrb1474 |
| 6200 | fcrb1138 | 6256 | fcrb1223 | 6312 | fcrb1321 | 6368 | fcrb1396 | 6424 | fcrb1476 |
| 6201 | fcrb1142 | 6257 | fcrb1224 | 6313 | fcrb1322 | 6369 | fcrb1397 | 6425 | fcrb1477 |
| 6202 | fcrb1144 | 6258 | fcrb1225 | 6314 | fcrb1323 | 6370 | fcrb1399 | 6426 | fcrb1478 |
| 6203 | fcrb1145 | 6259 | fcrb1226 | 6315 | fcrb1326 | 6371 | fcrb1400 | 6427 | fcrb1479 |
| 6204 | fcrb1146 | 6260 | fcrb1227 | 6316 | fcrb1327 | 6372 | fcrb1401 | 6428 | fcrb1480 |
| 6205 | fcrb1150 | 6261 | fcrb1229 | 6317 | fcrb1328 | 6373 | fcrb1402 | 6429 | fcrb1481 |
| 6206 | fcrb1151 | 6262 | fcrb1230 | 6318 | fcrb1329 | 6374 | fcrb1405 | 6430 | fcrb1482 |
| 6207 | fcrb1152 | 6263 | fcrb1231 | 6319 | fcrb1332 | 6375 | fcrb1406 | 6431 | fcrb1483 |
| 6208 | fcrb1153 | 6264 | fcrb1232 | 6320 | fcrb1333 | 6376 | fcrb1407 | 6432 | fcrb1484 |
| 6209 | fcrb1155 | 6265 | fcrb1234 | 6321 | fcrb1334 | 6377 | fcrb1409 | 6433 | fcrb1485 |
| 6210 | fcrb1157 | 6266 | fcrb1236 | 6322 | fcrb1335 | 6378 | fcrb1411 | 6434 | fcrb1486 |
| 6211 | fcrb1158 | 6267 | fcrb1241 | 6323 | fcrb1336 | 6379 | fcrb1412 | 6435 | fcrb1487 |
| 6212 | fcrb1159 | 6268 | fcrb1242 | 6324 | fcrb1337 | 6380 | fcrb1414 | 6436 | fcrb1488 |
| 6213 | fcrb1160 | 6269 | fcrb1243 | 6325 | fcrb1339 | 6381 | fcrb1416 | 6437 | fcrb1489 |
| 6214 | fcrb1161 | 6270 | fcrb1246 | 6326 | fcrb1340 | 6382 | fcrb1417 | 6438 | fcrb1490 |
| 6215 | fcrb1162 | 6271 | fcrb1247 | 6327 | fcrb1341 | 6383 | fcrb1418 | 6439 | fcrb1491 |
| 6216 | fcrb1163 | 6272 | fcrb1248 | 6328 | fcrb1343 | 6384 | fcrb1419 | 6440 | fcrb1492 |

Figure 6B - Continued

| | | | | | | | | | |
|------|----------|------|----------|------|----------|------|----------|------|----------|
| 6441 | fcrb1493 | 6497 | fcrb1561 | 6553 | fcrb1629 | 6609 | fcrb1702 | 6665 | fcrb1778 |
| 6442 | fcrb1494 | 6498 | fcrb1562 | 6554 | fcrb1631 | 6610 | fcrb1703 | 6666 | fcrb1779 |
| 6443 | fcrb1496 | 6499 | fcrb1563 | 6555 | fcrb1633 | 6611 | fcrb1705 | 6667 | fcrb1780 |
| 6444 | fcrb1497 | 6500 | fcrb1564 | 6556 | fcrb1635 | 6612 | fcrb1706 | 6668 | fcrb1782 |
| 6445 | fcrb1498 | 6501 | fcrb1567 | 6557 | fcrb1637 | 6613 | fcrb1707 | 6669 | fcrb1784 |
| 6446 | fcrb1500 | 6502 | fcrb1568 | 6558 | fcrb1638 | 6614 | fcrb1708 | 6670 | fcrb1785 |
| 6447 | fcrb1501 | 6503 | fcrb1569 | 6559 | fcrb1639 | 6615 | fcrb1710 | 6671 | fcrb1787 |
| 6448 | fcrb1502 | 6504 | fcrb1570 | 6560 | fcrb1640 | 6616 | fcrb1711 | 6672 | fcrb1788 |
| 6449 | fcrb1503 | 6505 | fcrb1573 | 6561 | fcrb1641 | 6617 | fcrb1712 | 6673 | fcrb1789 |
| 6450 | fcrb1504 | 6506 | fcrb1574 | 6562 | fcrb1644 | 6618 | fcrb1714 | 6674 | fcrb1790 |
| 6451 | fcrb1505 | 6507 | fcrb1575 | 6563 | fcrb1645 | 6619 | fcrb1715 | 6675 | fcrb1791 |
| 6452 | fcrb1506 | 6508 | fcrb1577 | 6564 | fcrb1647 | 6620 | fcrb1716 | 6676 | fcrb1792 |
| 6453 | fcrb1507 | 6509 | fcrb1578 | 6565 | fcrb1648 | 6621 | fcrb1717 | 6677 | fcrb1793 |
| 6454 | fcrb1508 | 6510 | fcrb1579 | 6566 | fcrb1650 | 6622 | fcrb1718 | 6678 | fcrb1795 |
| 6455 | fcrb1509 | 6511 | fcrb1580 | 6567 | fcrb1652 | 6623 | fcrb1719 | 6679 | fcrb1797 |
| 6456 | fcrb1510 | 6512 | fcrb1581 | 6568 | fcrb1653 | 6624 | fcrb1720 | 6680 | fcrb1798 |
| 6457 | fcrb1511 | 6513 | fcrb1582 | 6569 | fcrb1654 | 6625 | fcrb1721 | 6681 | fcrb1800 |
| 6458 | fcrb1513 | 6514 | fcrb1583 | 6570 | fcrb1656 | 6626 | fcrb1722 | 6682 | fcrb1801 |
| 6459 | fcrb1514 | 6515 | fcrb1584 | 6571 | fcrb1657 | 6627 | fcrb1724 | 6683 | fcrb1803 |
| 6460 | fcrb1515 | 6516 | fcrb1586 | 6572 | fcrb1659 | 6628 | fcrb1725 | 6684 | fcrb1804 |
| 6461 | fcrb1516 | 6517 | fcrb1587 | 6573 | fcrb1660 | 6629 | fcrb1727 | 6685 | fcrb1805 |
| 6462 | fcrb1518 | 6518 | fcrb1588 | 6574 | fcrb1661 | 6630 | fcrb1728 | 6686 | fcrb1806 |
| 6463 | fcrb1519 | 6519 | fcrb1589 | 6575 | fcrb1663 | 6631 | fcrb1729 | 6687 | fcrb1807 |
| 6464 | fcrb1520 | 6520 | fcrb1590 | 6576 | fcrb1664 | 6632 | fcrb1730 | 6688 | fcrb1809 |
| 6465 | fcrb1521 | 6521 | fcrb1592 | 6577 | fcrb1665 | 6633 | fcrb1731 | 6689 | fcrb1811 |
| 6466 | fcrb1522 | 6522 | fcrb1593 | 6578 | fcrb1666 | 6634 | fcrb1733 | 6690 | fcrb1813 |
| 6467 | fcrb1523 | 6523 | fcrb1594 | 6579 | fcrb1669 | 6635 | fcrb1734 | 6691 | fcrb1815 |
| 6468 | fcrb1524 | 6524 | fcrb1595 | 6580 | fcrb1670 | 6636 | fcrb1737 | 6692 | fcrb1817 |
| 6469 | fcrb1525 | 6525 | fcrb1596 | 6581 | fcrb1672 | 6637 | fcrb1739 | 6693 | fcrb1819 |
| 6470 | fcrb1527 | 6526 | fcrb1597 | 6582 | fcrb1673 | 6638 | fcrb1740 | 6694 | fcrb1820 |
| 6471 | fcrb1528 | 6527 | fcrb1598 | 6583 | fcrb1674 | 6639 | fcrb1741 | 6695 | fcrb1821 |
| 6472 | fcrb1529 | 6528 | fcrb1599 | 6584 | fcrb1676 | 6640 | fcrb1742 | 6696 | fcrb1823 |
| 6473 | fcrb1530 | 6529 | fcrb1600 | 6585 | fcrb1677 | 6641 | fcrb1744 | 6697 | fcrb1824 |
| 6474 | fcrb1531 | 6530 | fcrb1601 | 6586 | fcrb1678 | 6642 | fcrb1745 | 6698 | fcrb1825 |
| 6475 | fcrb1532 | 6531 | fcrb1602 | 6587 | fcrb1679 | 6643 | fcrb1749 | 6699 | fcrb1826 |
| 6476 | fcrb1533 | 6532 | fcrb1603 | 6588 | fcrb1680 | 6644 | fcrb1750 | 6700 | fcrb1827 |
| 6477 | fcrb1535 | 6533 | fcrb1604 | 6589 | fcrb1681 | 6645 | fcrb1752 | 6701 | fcrb1828 |
| 6478 | fcrb1536 | 6534 | fcrb1605 | 6590 | fcrb1682 | 6646 | fcrb1753 | 6702 | fcrb1830 |
| 6479 | fcrb1538 | 6535 | fcrb1607 | 6591 | fcrb1683 | 6647 | fcrb1755 | 6703 | fcrb1833 |
| 6480 | fcrb1539 | 6536 | fcrb1608 | 6592 | fcrb1684 | 6648 | fcrb1756 | 6704 | fcrb1834 |
| 6481 | fcrb1540 | 6537 | fcrb1611 | 6593 | fcrb1685 | 6649 | fcrb1759 | 6705 | fcrb1835 |
| 6482 | fcrb1541 | 6538 | fcrb1612 | 6594 | fcrb1686 | 6650 | fcrb1760 | 6706 | fcrb1836 |
| 6483 | fcrb1544 | 6539 | fcrb1614 | 6595 | fcrb1687 | 6651 | fcrb1761 | 6707 | fcrb1837 |
| 6484 | fcrb1545 | 6540 | fcrb1615 | 6596 | fcrb1688 | 6652 | fcrb1762 | 6708 | fcrb1838 |
| 6485 | fcrb1546 | 6541 | fcrb1616 | 6597 | fcrb1689 | 6653 | fcrb1763 | 6709 | fcrb1839 |
| 6486 | fcrb1547 | 6542 | fcrb1617 | 6598 | fcrb1690 | 6654 | fcrb1764 | 6710 | fcrb1840 |
| 6487 | fcrb1548 | 6543 | fcrb1618 | 6599 | fcrb1691 | 6655 | fcrb1766 | 6711 | fcrb1841 |
| 6488 | fcrb1549 | 6544 | fcrb1619 | 6600 | fcrb1693 | 6656 | fcrb1767 | 6712 | fcrb1844 |
| 6489 | fcrb1550 | 6545 | fcrb1620 | 6601 | fcrb1694 | 6657 | fcrb1768 | 6713 | fcrb1845 |
| 6490 | fcrb1552 | 6546 | fcrb1621 | 6602 | fcrb1695 | 6658 | fcrb1769 | 6714 | fcrb1846 |
| 6491 | fcrb1553 | 6547 | fcrb1622 | 6603 | fcrb1696 | 6659 | fcrb1771 | 6715 | fcrb1848 |
| 6492 | fcrb1554 | 6548 | fcrb1623 | 6604 | fcrb1697 | 6660 | fcrb1772 | 6716 | fcrb1849 |
| 6493 | fcrb1556 | 6549 | fcrb1624 | 6605 | fcrb1698 | 6661 | fcrb1773 | 6717 | fcrb1850 |
| 6494 | fcrb1557 | 6550 | fcrb1625 | 6606 | fcrb1699 | 6662 | fcrb1775 | 6718 | fcrb1851 |
| 6495 | fcrb1558 | 6551 | fcrb1627 | 6607 | fcrb1700 | 6663 | fcrb1776 | 6719 | fcrb1852 |
| 6496 | fcrb1560 | 6552 | fcrb1628 | 6608 | fcrb1701 | 6664 | fcrb1777 | 6720 | fcrb1853 |

Figure 6B – Continued

| | | | | | | | | | |
|------|----------|------|----------|------|----------|------|----------|------|----------|
| 6721 | fcrb1854 | 6777 | fcrb1932 | 6833 | fcrb2004 | 6889 | fcrb2079 | 6945 | fcrb2150 |
| 6722 | fcrb1855 | 6778 | fcrb1933 | 6834 | fcrb2005 | 6890 | fcrb2080 | 6946 | fcrb2151 |
| 6723 | fcrb1856 | 6779 | fcrb1934 | 6835 | fcrb2007 | 6891 | fcrb2081 | 6947 | fcrb2152 |
| 6724 | fcrb1857 | 6780 | fcrb1936 | 6836 | fcrb2008 | 6892 | fcrb2083 | 6948 | fcrb2153 |
| 6725 | fcrb1860 | 6781 | fcrb1937 | 6837 | fcrb2011 | 6893 | fcrb2084 | 6949 | fcrb2155 |
| 6726 | fcrb1862 | 6782 | fcrb1940 | 6838 | fcrb2012 | 6894 | fcrb2085 | 6950 | fcrb2156 |
| 6727 | fcrb1864 | 6783 | fcrb1941 | 6839 | fcrb2013 | 6895 | fcrb2086 | 6951 | fcrb2157 |
| 6728 | fcrb1865 | 6784 | fcrb1942 | 6840 | fcrb2015 | 6896 | fcrb2087 | 6952 | fcrb2158 |
| 6729 | fcrb1866 | 6785 | fcrb1944 | 6841 | fcrb2016 | 6897 | fcrb2089 | 6953 | fcrb2159 |
| 6730 | fcrb1867 | 6786 | fcrb1945 | 6842 | fcrb2017 | 6898 | fcrb2090 | 6954 | fcrb2160 |
| 6731 | fcrb1868 | 6787 | fcrb1947 | 6843 | fcrb2018 | 6899 | fcrb2091 | 6955 | fcrb2161 |
| 6732 | fcrb1869 | 6788 | fcrb1948 | 6844 | fcrb2020 | 6900 | fcrb2092 | 6956 | fcrb2162 |
| 6733 | fcrb1870 | 6789 | fcrb1949 | 6845 | fcrb2021 | 6901 | fcrb2093 | 6957 | fcrb2163 |
| 6734 | fcrb1871 | 6790 | fcrb1950 | 6846 | fcrb2023 | 6902 | fcrb2094 | 6958 | fcrb2164 |
| 6735 | fcrb1872 | 6791 | fcrb1951 | 6847 | fcrb2024 | 6903 | fcrb2095 | 6959 | fcrb2165 |
| 6736 | fcrb1874 | 6792 | fcrb1952 | 6848 | fcrb2025 | 6904 | fcrb2097 | 6960 | fcrb2166 |
| 6737 | fcrb1875 | 6793 | fcrb1953 | 6849 | fcrb2028 | 6905 | fcrb2098 | 6961 | fcrb2167 |
| 6738 | fcrb1876 | 6794 | fcrb1954 | 6850 | fcrb2029 | 6906 | fcrb2100 | 6962 | fcrb2168 |
| 6739 | fcrb1877 | 6795 | fcrb1956 | 6851 | fcrb2030 | 6907 | fcrb2101 | 6963 | fcrb2169 |
| 6740 | fcrb1880 | 6796 | fcrb1959 | 6852 | fcrb2031 | 6908 | fcrb2102 | 6964 | fcrb2173 |
| 6741 | fcrb1881 | 6797 | fcrb1960 | 6853 | fcrb2032 | 6909 | fcrb2103 | 6965 | fcrb2174 |
| 6742 | fcrb1884 | 6798 | fcrb1961 | 6854 | fcrb2033 | 6910 | fcrb2104 | 6966 | fcrb2175 |
| 6743 | fcrb1885 | 6799 | fcrb1962 | 6855 | fcrb2034 | 6911 | fcrb2105 | 6967 | fcrb2176 |
| 6744 | fcrb1886 | 6800 | fcrb1963 | 6856 | fcrb2036 | 6912 | fcrb2106 | 6968 | fcrb2177 |
| 6745 | fcrb1888 | 6801 | fcrb1964 | 6857 | fcrb2037 | 6913 | fcrb2107 | 6969 | fcrb2178 |
| 6746 | fcrb1889 | 6802 | fcrb1965 | 6858 | fcrb2038 | 6914 | fcrb2109 | 6970 | fcrb2179 |
| 6747 | fcrb1890 | 6803 | fcrb1967 | 6859 | fcrb2039 | 6915 | fcrb2110 | 6971 | fcrb2181 |
| 6748 | fcrb1892 | 6804 | fcrb1968 | 6860 | fcrb2040 | 6916 | fcrb2111 | 6972 | fcrb2182 |
| 6749 | fcrb1893 | 6805 | fcrb1969 | 6861 | fcrb2041 | 6917 | fcrb2112 | 6973 | fcrb2184 |
| 6750 | fcrb1894 | 6806 | fcrb1970 | 6862 | fcrb2042 | 6918 | fcrb2113 | 6974 | fcrb2185 |
| 6751 | fcrb1898 | 6807 | fcrb1972 | 6863 | fcrb2043 | 6919 | fcrb2115 | 6975 | fcrb2186 |
| 6752 | fcrb1899 | 6808 | fcrb1973 | 6864 | fcrb2044 | 6920 | fcrb2116 | 6976 | fcrb2187 |
| 6753 | fcrb1900 | 6809 | fcrb1974 | 6865 | fcrb2045 | 6921 | fcrb2117 | 6977 | fcrb2188 |
| 6754 | fcrb1901 | 6810 | fcrb1976 | 6866 | fcrb2046 | 6922 | fcrb2118 | 6978 | fcrb2189 |
| 6755 | fcrb1902 | 6811 | fcrb1977 | 6867 | fcrb2049 | 6923 | fcrb2119 | 6979 | fcrb2190 |
| 6756 | fcrb1903 | 6812 | fcrb1978 | 6868 | fcrb2051 | 6924 | fcrb2120 | 6980 | fcrb2191 |
| 6757 | fcrb1904 | 6813 | fcrb1979 | 6869 | fcrb2054 | 6925 | fcrb2122 | 6981 | fcrb2192 |
| 6758 | fcrb1906 | 6814 | fcrb1980 | 6870 | fcrb2055 | 6926 | fcrb2124 | 6982 | fcrb2193 |
| 6759 | fcrb1909 | 6815 | fcrb1981 | 6871 | fcrb2057 | 6927 | fcrb2126 | 6983 | fcrb2195 |
| 6760 | fcrb1912 | 6816 | fcrb1982 | 6872 | fcrb2058 | 6928 | fcrb2127 | 6984 | fcrb2196 |
| 6761 | fcrb1913 | 6817 | fcrb1984 | 6873 | fcrb2059 | 6929 | fcrb2128 | 6985 | fcrb2197 |
| 6762 | fcrb1914 | 6818 | fcrb1985 | 6874 | fcrb2060 | 6930 | fcrb2130 | 6986 | fcrb2198 |
| 6763 | fcrb1915 | 6819 | fcrb1986 | 6875 | fcrb2061 | 6931 | fcrb2133 | 6987 | fcrb2199 |
| 6764 | fcrb1916 | 6820 | fcrb1988 | 6876 | fcrb2063 | 6932 | fcrb2134 | 6988 | fcrb2200 |
| 6765 | fcrb1917 | 6821 | fcrb1989 | 6877 | fcrb2064 | 6933 | fcrb2135 | 6989 | fcrb2201 |
| 6766 | fcrb1918 | 6822 | fcrb1990 | 6878 | fcrb2066 | 6934 | fcrb2136 | 6990 | fcrb2203 |
| 6767 | fcrb1919 | 6823 | fcrb1992 | 6879 | fcrb2067 | 6935 | fcrb2137 | 6991 | fcrb2205 |
| 6768 | fcrb1920 | 6824 | fcrb1993 | 6880 | fcrb2068 | 6936 | fcrb2138 | 6992 | fcrb2206 |
| 6769 | fcrb1921 | 6825 | fcrb1995 | 6881 | fcrb2069 | 6937 | fcrb2139 | 6993 | fcrb2207 |
| 6770 | fcrb1922 | 6826 | fcrb1996 | 6882 | fcrb2070 | 6938 | fcrb2140 | 6994 | fcrb2208 |
| 6771 | fcrb1923 | 6827 | fcrb1998 | 6883 | fcrb2071 | 6939 | fcrb2141 | 6995 | fcrb2209 |
| 6772 | fcrb1924 | 6828 | fcrb1999 | 6884 | fcrb2072 | 6940 | fcrb2143 | 6996 | fcrb2210 |
| 6773 | fcrb1925 | 6829 | fcrb2000 | 6885 | fcrb2075 | 6941 | fcrb2144 | 6997 | fcrb2211 |
| 6774 | fcrb1926 | 6830 | fcrb2001 | 6886 | fcrb2076 | 6942 | fcrb2145 | 6998 | fcrb2212 |
| 6775 | fcrb1929 | 6831 | fcrb2002 | 6887 | fcrb2077 | 6943 | fcrb2146 | 6999 | fcrb2213 |
| 6776 | fcrb1930 | 6832 | fcrb2003 | 6888 | fcrb2078 | 6944 | fcrb2149 | 7000 | fcrb2214 |

Figure 6B - Continued

| | | | | | | | | | |
|------|----------|------|----------|------|----------|------|----------|------|----------|
| 7001 | fcrb2217 | 7057 | fcrb2293 | 7113 | fcrb2365 | 7169 | fcrb2451 | 7225 | fcrb2526 |
| 7002 | fcrb2218 | 7058 | fcrb2294 | 7114 | fcrb2368 | 7170 | fcrb2452 | 7226 | fcrb2528 |
| 7003 | fcrb2219 | 7059 | fcrb2295 | 7115 | fcrb2370 | 7171 | fcrb2453 | 7227 | fcrb2532 |
| 7004 | fcrb2220 | 7060 | fcrb2297 | 7116 | fcrb2371 | 7172 | fcrb2454 | 7228 | fcrb2534 |
| 7005 | fcrb2221 | 7061 | fcrb2298 | 7117 | fcrb2373 | 7173 | fcrb2457 | 7229 | fcrb2535 |
| 7006 | fcrb2223 | 7062 | fcrb2299 | 7118 | fcrb2376 | 7174 | fcrb2458 | 7230 | fcrb2536 |
| 7007 | fcrb2224 | 7063 | fcrb2300 | 7119 | fcrb2377 | 7175 | fcrb2459 | 7231 | fcrb2538 |
| 7008 | fcrb2225 | 7064 | fcrb2301 | 7120 | fcrb2379 | 7176 | fcrb2460 | 7232 | fcrb2540 |
| 7009 | fcrb2228 | 7065 | fcrb2302 | 7121 | fcrb2380 | 7177 | fcrb2461 | 7233 | fcrb2541 |
| 7010 | fcrb2229 | 7066 | fcrb2303 | 7122 | fcrb2381 | 7178 | fcrb2462 | 7234 | fcrb2542 |
| 7011 | fcrb2230 | 7067 | fcrb2304 | 7123 | fcrb2382 | 7179 | fcrb2463 | 7235 | fcrb2543 |
| 7012 | fcrb2232 | 7068 | fcrb2305 | 7124 | fcrb2383 | 7180 | fcrb2466 | 7236 | fcrb2544 |
| 7013 | fcrb2234 | 7069 | fcrb2306 | 7125 | fcrb2387 | 7181 | fcrb2467 | 7237 | fcrb2545 |
| 7014 | fcrb2235 | 7070 | fcrb2307 | 7126 | fcrb2388 | 7182 | fcrb2468 | 7238 | fcrb2546 |
| 7015 | fcrb2236 | 7071 | fcrb2308 | 7127 | fcrb2389 | 7183 | fcrb2472 | 7239 | fcrb2547 |
| 7016 | fcrb2237 | 7072 | fcrb2309 | 7128 | fcrb2390 | 7184 | fcrb2473 | 7240 | fcrb2548 |
| 7017 | fcrb2238 | 7073 | fcrb2310 | 7129 | fcrb2392 | 7185 | fcrb2474 | 7241 | fcrb2549 |
| 7018 | fcrb2239 | 7074 | fcrb2313 | 7130 | fcrb2393 | 7186 | fcrb2476 | 7242 | fcrb2550 |
| 7019 | fcrb2241 | 7075 | fcrb2314 | 7131 | fcrb2394 | 7187 | fcrb2477 | 7243 | fcrb2552 |
| 7020 | fcrb2244 | 7076 | fcrb2315 | 7132 | fcrb2395 | 7188 | fcrb2478 | 7244 | fcrb2553 |
| 7021 | fcrb2245 | 7077 | fcrb2316 | 7133 | fcrb2396 | 7189 | fcrb2479 | 7245 | fcrb2554 |
| 7022 | fcrb2246 | 7078 | fcrb2317 | 7134 | fcrb2397 | 7190 | fcrb2480 | 7246 | fcrb2556 |
| 7023 | fcrb2247 | 7079 | fcrb2318 | 7135 | fcrb2398 | 7191 | fcrb2482 | 7247 | fcrb2557 |
| 7024 | fcrb2248 | 7080 | fcrb2319 | 7136 | fcrb2400 | 7192 | fcrb2483 | 7248 | fcrb2558 |
| 7025 | fcrb2249 | 7081 | fcrb2320 | 7137 | fcrb2401 | 7193 | fcrb2484 | 7249 | fcrb2559 |
| 7026 | fcrb2251 | 7082 | fcrb2321 | 7138 | fcrb2403 | 7194 | fcrb2485 | 7250 | fcrb2560 |
| 7027 | fcrb2252 | 7083 | fcrb2325 | 7139 | fcrb2404 | 7195 | fcrb2486 | 7251 | fcrb2562 |
| 7028 | fcrb2253 | 7084 | fcrb2326 | 7140 | fcrb2406 | 7196 | fcrb2487 | 7252 | fcrb2563 |
| 7029 | fcrb2254 | 7085 | fcrb2328 | 7141 | fcrb2408 | 7197 | fcrb2491 | 7253 | fcrb2564 |
| 7030 | fcrb2255 | 7086 | fcrb2329 | 7142 | fcrb2409 | 7198 | fcrb2492 | 7254 | fcrb2565 |
| 7031 | fcrb2256 | 7087 | fcrb2330 | 7143 | fcrb2412 | 7199 | fcrb2493 | 7255 | fcrb2566 |
| 7032 | fcrb2257 | 7088 | fcrb2331 | 7144 | fcrb2413 | 7200 | fcrb2494 | 7256 | fcrb2568 |
| 7033 | fcrb2258 | 7089 | fcrb2332 | 7145 | fcrb2414 | 7201 | fcrb2495 | 7257 | fcrb2569 |
| 7034 | fcrb2260 | 7090 | fcrb2334 | 7146 | fcrb2416 | 7202 | fcrb2497 | 7258 | fcrb2571 |
| 7035 | fcrb2261 | 7091 | fcrb2336 | 7147 | fcrb2420 | 7203 | fcrb2499 | 7259 | fcrb2572 |
| 7036 | fcrb2262 | 7092 | fcrb2337 | 7148 | fcrb2421 | 7204 | fcrb2500 | 7260 | fcrb2573 |
| 7037 | fcrb2264 | 7093 | fcrb2338 | 7149 | fcrb2422 | 7205 | fcrb2501 | 7261 | fcrb2574 |
| 7038 | fcrb2269 | 7094 | fcrb2340 | 7150 | fcrb2424 | 7206 | fcrb2502 | 7262 | fcrb2575 |
| 7039 | fcrb2270 | 7095 | fcrb2342 | 7151 | fcrb2426 | 7207 | fcrb2504 | 7263 | fcrb2576 |
| 7040 | fcrb2271 | 7096 | fcrb2343 | 7152 | fcrb2427 | 7208 | fcrb2505 | 7264 | fcrb2577 |
| 7041 | fcrb2272 | 7097 | fcrb2344 | 7153 | fcrb2429 | 7209 | fcrb2506 | 7265 | fcrb2579 |
| 7042 | fcrb2273 | 7098 | fcrb2346 | 7154 | fcrb2430 | 7210 | fcrb2507 | 7266 | fcrb2580 |
| 7043 | fcrb2275 | 7099 | fcrb2348 | 7155 | fcrb2432 | 7211 | fcrb2508 | 7267 | fcrb2581 |
| 7044 | fcrb2276 | 7100 | fcrb2349 | 7156 | fcrb2433 | 7212 | fcrb2509 | 7268 | fcrb2582 |
| 7045 | fcrb2277 | 7101 | fcrb2350 | 7157 | fcrb2434 | 7213 | fcrb2510 | 7269 | fcrb2583 |
| 7046 | fcrb2279 | 7102 | fcrb2351 | 7158 | fcrb2436 | 7214 | fcrb2511 | 7270 | fcrb2585 |
| 7047 | fcrb2280 | 7103 | fcrb2352 | 7159 | fcrb2437 | 7215 | fcrb2512 | 7271 | fcrb2586 |
| 7048 | fcrb2282 | 7104 | fcrb2353 | 7160 | fcrb2438 | 7216 | fcrb2513 | 7272 | fcrb2588 |
| 7049 | fcrb2283 | 7105 | fcrb2354 | 7161 | fcrb2440 | 7217 | fcrb2516 | 7273 | fcrb2590 |
| 7050 | fcrb2284 | 7106 | fcrb2355 | 7162 | fcrb2441 | 7218 | fcrb2517 | 7274 | fcrb2591 |
| 7051 | fcrb2285 | 7107 | fcrb2356 | 7163 | fcrb2442 | 7219 | fcrb2518 | 7275 | fcrb2592 |
| 7052 | fcrb2286 | 7108 | fcrb2358 | 7164 | fcrb2444 | 7220 | fcrb2520 | 7276 | fcrb2593 |
| 7053 | fcrb2288 | 7109 | fcrb2360 | 7165 | fcrb2445 | 7221 | fcrb2521 | 7277 | fcrb2594 |
| 7054 | fcrb2289 | 7110 | fcrb2361 | 7166 | fcrb2447 | 7222 | fcrb2523 | 7278 | fcrb2595 |
| 7055 | fcrb2291 | 7111 | fcrb2363 | 7167 | fcrb2449 | 7223 | fcrb2524 | 7279 | fcrb2596 |
| 7056 | fcrb2292 | 7112 | fcrb2364 | 7168 | fcrb2450 | 7224 | fcrb2525 | 7280 | fcrb2597 |

Figure 6B - Continued

| | | | | | | | | | |
|------|----------|------|----------|------|----------|------|---------|------|---------|
| 7281 | fcrb2598 | 7337 | fcrb2682 | 7393 | fcrb2768 | 7449 | hfc0064 | 7505 | hfc0143 |
| 7282 | fcrb2601 | 7338 | fcrb2685 | 7394 | fcrb2769 | 7450 | hfc0065 | 7506 | hfc0145 |
| 7283 | fcrb2602 | 7339 | fcrb2687 | 7395 | hfc0001 | 7451 | hfc0066 | 7507 | hfc0147 |
| 7284 | fcrb2603 | 7340 | fcrb2689 | 7396 | hfc0003 | 7452 | hfc0067 | 7508 | hfc0149 |
| 7285 | fcrb2605 | 7341 | fcrb2690 | 7397 | hfc0004 | 7453 | hfc0068 | 7509 | hfc0150 |
| 7286 | fcrb2608 | 7342 | fcrb2692 | 7398 | hfc0005 | 7454 | hfc0070 | 7510 | hfc0153 |
| 7287 | fcrb2612 | 7343 | fcrb2693 | 7399 | hfc0006 | 7455 | hfc0071 | 7511 | hfc0154 |
| 7288 | fcrb2613 | 7344 | fcrb2696 | 7400 | hfc0008 | 7456 | hfc0073 | 7512 | hfc0155 |
| 7289 | fcrb2614 | 7345 | fcrb2697 | 7401 | hfc0010 | 7457 | hfc0074 | 7513 | hfc0156 |
| 7290 | fcrb2616 | 7346 | fcrb2700 | 7402 | hfc0011 | 7458 | hfc0075 | 7514 | hfc0157 |
| 7291 | fcrb2618 | 7347 | fcrb2703 | 7403 | hfc0012 | 7459 | hfc0076 | 7515 | hfc0158 |
| 7292 | fcrb2619 | 7348 | fcrb2704 | 7404 | hfc0013 | 7460 | hfc0077 | 7516 | hfc0159 |
| 7293 | fcrb2620 | 7349 | fcrb2705 | 7405 | hfc0014 | 7461 | hfc0078 | 7517 | hfc0161 |
| 7294 | fcrb2621 | 7350 | fcrb2709 | 7406 | hfc0015 | 7462 | hfc0079 | 7518 | hfc0162 |
| 7295 | fcrb2622 | 7351 | fcrb2710 | 7407 | hfc0016 | 7463 | hfc0080 | 7519 | hfc0163 |
| 7296 | fcrb2624 | 7352 | fcrb2713 | 7408 | hfc0017 | 7464 | hfc0081 | 7520 | hfc0164 |
| 7297 | fcrb2625 | 7353 | fcrb2715 | 7409 | hfc0018 | 7465 | hfc0082 | 7521 | hfc0166 |
| 7298 | fcrb2626 | 7354 | fcrb2717 | 7410 | hfc0020 | 7466 | hfc0084 | 7522 | hfc0167 |
| 7299 | fcrb2628 | 7355 | fcrb2719 | 7411 | hfc0021 | 7467 | hfc0085 | 7523 | hfc0170 |
| 7300 | fcrb2629 | 7356 | fcrb2722 | 7412 | hfc0022 | 7468 | hfc0086 | 7524 | hfc0171 |
| 7301 | fcrb2630 | 7357 | fcrb2724 | 7413 | hfc0023 | 7469 | hfc0087 | 7525 | hfc0173 |
| 7302 | fcrb2631 | 7358 | fcrb2725 | 7414 | hfc0024 | 7470 | hfc0088 | 7526 | hfc0174 |
| 7303 | fcrb2632 | 7359 | fcrb2726 | 7415 | hfc0025 | 7471 | hfc0089 | 7527 | hfc0175 |
| 7304 | fcrb2633 | 7360 | fcrb2727 | 7416 | hfc0026 | 7472 | hfc0091 | 7528 | hfc0177 |
| 7305 | fcrb2634 | 7361 | fcrb2731 | 7417 | hfc0027 | 7473 | hfc0092 | 7529 | hfc0178 |
| 7306 | fcrb2635 | 7362 | fcrb2732 | 7418 | hfc0028 | 7474 | hfc0093 | 7530 | hfc0180 |
| 7307 | fcrb2636 | 7363 | fcrb2733 | 7419 | hfc0029 | 7475 | hfc0095 | 7531 | hfc0181 |
| 7308 | fcrb2637 | 7364 | fcrb2735 | 7420 | hfc0030 | 7476 | hfc0096 | 7532 | hfc0182 |
| 7309 | fcrb2638 | 7365 | fcrb2736 | 7421 | hfc0032 | 7477 | hfc0099 | 7533 | hfc0183 |
| 7310 | fcrb2639 | 7366 | fcrb2737 | 7422 | hfc0033 | 7478 | hfc0100 | 7534 | hfc0184 |
| 7311 | fcrb2640 | 7367 | fcrb2738 | 7423 | hfc0034 | 7479 | hfc0102 | 7535 | hfc0187 |
| 7312 | fcrb2643 | 7368 | fcrb2739 | 7424 | hfc0035 | 7480 | hfc0108 | 7536 | hfc0188 |
| 7313 | fcrb2644 | 7369 | fcrb2740 | 7425 | hfc0037 | 7481 | hfc0112 | 7537 | hfc0189 |
| 7314 | fcrb2645 | 7370 | fcrb2742 | 7426 | hfc0039 | 7482 | hfc0113 | 7538 | hfc0191 |
| 7315 | fcrb2646 | 7371 | fcrb2743 | 7427 | hfc0040 | 7483 | hfc0114 | 7539 | hfc0192 |
| 7316 | fcrb2647 | 7372 | fcrb2744 | 7428 | hfc0041 | 7484 | hfc0116 | 7540 | hfc0196 |
| 7317 | fcrb2648 | 7373 | fcrb2745 | 7429 | hfc0042 | 7485 | hfc0117 | 7541 | hfc0197 |
| 7318 | fcrb2649 | 7374 | fcrb2746 | 7430 | hfc0043 | 7486 | hfc0118 | 7542 | hfc0198 |
| 7319 | fcrb2651 | 7375 | fcrb2748 | 7431 | hfc0044 | 7487 | hfc0119 | 7543 | hfc0199 |
| 7320 | fcrb2652 | 7376 | fcrb2749 | 7432 | hfc0045 | 7488 | hfc0120 | 7544 | hfc0200 |
| 7321 | fcrb2656 | 7377 | fcrb2750 | 7433 | hfc0046 | 7489 | hfc0121 | 7545 | hfc0203 |
| 7322 | fcrb2657 | 7378 | fcrb2751 | 7434 | hfc0047 | 7490 | hfc0122 | 7546 | hfc0204 |
| 7323 | fcrb2658 | 7379 | fcrb2753 | 7435 | hfc0048 | 7491 | hfc0123 | 7547 | hfc0205 |
| 7324 | fcrb2660 | 7380 | fcrb2754 | 7436 | hfc0049 | 7492 | hfc0124 | 7548 | hfc0206 |
| 7325 | fcrb2661 | 7381 | fcrb2755 | 7437 | hfc0051 | 7493 | hfc0125 | 7549 | hfc0207 |
| 7326 | fcrb2662 | 7382 | fcrb2756 | 7438 | hfc0053 | 7494 | hfc0128 | 7550 | hfc0210 |
| 7327 | fcrb2664 | 7383 | fcrb2757 | 7439 | hfc0054 | 7495 | hfc0129 | 7551 | hfc0212 |
| 7328 | fcrb2667 | 7384 | fcrb2758 | 7440 | hfc0055 | 7496 | hfc0130 | 7552 | hfc0214 |
| 7329 | fcrb2668 | 7385 | fcrb2759 | 7441 | hfc0056 | 7497 | hfc0131 | 7553 | hfc0215 |
| 7330 | fcrb2671 | 7386 | fcrb2760 | 7442 | hfc0057 | 7498 | hfc0133 | 7554 | hfc0217 |
| 7331 | fcrb2672 | 7387 | fcrb2761 | 7443 | hfc0058 | 7499 | hfc0136 | 7555 | hfc0220 |
| 7332 | fcrb2675 | 7388 | fcrb2762 | 7444 | hfc0059 | 7500 | hfc0138 | 7556 | hfc0221 |
| 7333 | fcrb2676 | 7389 | fcrb2763 | 7445 | hfc0060 | 7501 | hfc0139 | 7557 | hfc0222 |
| 7334 | fcrb2677 | 7390 | fcrb2764 | 7446 | hfc0061 | 7502 | hfc0140 | 7558 | hfc0225 |
| 7335 | fcrb2678 | 7391 | fcrb2765 | 7447 | hfc0062 | 7503 | hfc0141 | 7559 | hfc0226 |
| 7336 | fcrb2680 | 7392 | fcrb2767 | 7448 | hfc0063 | 7504 | hfc0142 | 7560 | hfc0227 |

Figure 6B – Continued

| | | | | | | | | | |
|------|---------|------|---------|------|---------|------|---------|------|---------|
| 7561 | hfc0228 | 7617 | hfc0302 | 7673 | hfc0368 | 7729 | hfc0428 | 7785 | hfc0496 |
| 7562 | hfc0229 | 7618 | hfc0303 | 7674 | hfc0369 | 7730 | hfc0430 | 7786 | hfc0497 |
| 7563 | hfc0234 | 7619 | hfc0304 | 7675 | hfc0370 | 7731 | hfc0431 | 7787 | hfc0498 |
| 7564 | hfc0235 | 7620 | hfc0305 | 7676 | hfc0371 | 7732 | hfc0432 | 7788 | hfc0499 |
| 7565 | hfc0236 | 7621 | hfc0307 | 7677 | hfc0372 | 7733 | hfc0433 | 7789 | hfc0501 |
| 7566 | hfc0237 | 7622 | hfc0308 | 7678 | hfc0374 | 7734 | hfc0434 | 7790 | hfc0502 |
| 7567 | hfc0238 | 7623 | hfc0309 | 7679 | hfc0375 | 7735 | hfc0436 | 7791 | hfc0503 |
| 7568 | hfc0239 | 7624 | hfc0310 | 7680 | hfc0376 | 7736 | hfc0438 | 7792 | hfc0504 |
| 7569 | hfc0240 | 7625 | hfc0311 | 7681 | hfc0377 | 7737 | hfc0439 | 7793 | hfc0505 |
| 7570 | hfc0241 | 7626 | hfc0312 | 7682 | hfc0378 | 7738 | hfc0441 | 7794 | hfc0506 |
| 7571 | hfc0242 | 7627 | hfc0315 | 7683 | hfc0379 | 7739 | hfc0442 | 7795 | hfc0508 |
| 7572 | hfc0243 | 7628 | hfc0316 | 7684 | hfc0380 | 7740 | hfc0444 | 7796 | hfc0509 |
| 7573 | hfc0246 | 7629 | hfc0317 | 7685 | hfc0381 | 7741 | hfc0445 | 7797 | hfc0510 |
| 7574 | hfc0247 | 7630 | hfc0318 | 7686 | hfc0382 | 7742 | hfc0446 | 7798 | hfc0511 |
| 7575 | hfc0248 | 7631 | hfc0319 | 7687 | hfc0383 | 7743 | hfc0448 | 7799 | hfc0512 |
| 7576 | hfc0250 | 7632 | hfc0320 | 7688 | hfc0384 | 7744 | hfc0449 | 7800 | hfc0513 |
| 7577 | hfc0252 | 7633 | hfc0321 | 7689 | hfc0385 | 7745 | hfc0450 | 7801 | hfc0514 |
| 7578 | hfc0254 | 7634 | hfc0322 | 7690 | hfc0386 | 7746 | hfc0452 | 7802 | hfc0515 |
| 7579 | hfc0255 | 7635 | hfc0324 | 7691 | hfc0387 | 7747 | hfc0453 | 7803 | hfc0516 |
| 7580 | hfc0256 | 7636 | hfc0325 | 7692 | hfc0390 | 7748 | hfc0454 | 7804 | hfc0517 |
| 7581 | hfc0257 | 7637 | hfc0326 | 7693 | hfc0391 | 7749 | hfc0456 | 7805 | hfc0518 |
| 7582 | hfc0258 | 7638 | hfc0327 | 7694 | hfc0392 | 7750 | hfc0457 | 7806 | hfc0519 |
| 7583 | hfc0259 | 7639 | hfc0328 | 7695 | hfc0393 | 7751 | hfc0458 | 7807 | hfc0520 |
| 7584 | hfc0260 | 7640 | hfc0330 | 7696 | hfc0394 | 7752 | hfc0459 | 7808 | hfc0521 |
| 7585 | hfc0262 | 7641 | hfc0331 | 7697 | hfc0395 | 7753 | hfc0460 | 7809 | hfc0522 |
| 7586 | hfc0263 | 7642 | hfc0332 | 7698 | hfc0396 | 7754 | hfc0463 | 7810 | hfc0523 |
| 7587 | hfc0265 | 7643 | hfc0333 | 7699 | hfc0398 | 7755 | hfc0464 | 7811 | hfc0524 |
| 7588 | hfc0266 | 7644 | hfc0334 | 7700 | hfc0399 | 7756 | hfc0465 | 7812 | hfc0525 |
| 7589 | hfc0267 | 7645 | hfc0335 | 7701 | hfc0400 | 7757 | hfc0466 | 7813 | hfc0527 |
| 7590 | hfc0269 | 7646 | hfc0336 | 7702 | hfc0401 | 7758 | hfc0467 | 7814 | hfc0528 |
| 7591 | hfc0270 | 7647 | hfc0337 | 7703 | hfc0402 | 7759 | hfc0468 | 7815 | hfc0529 |
| 7592 | hfc0271 | 7648 | hfc0338 | 7704 | hfc0403 | 7760 | hfc0469 | 7816 | hfc0530 |
| 7593 | hfc0273 | 7649 | hfc0339 | 7705 | hfc0404 | 7761 | hfc0470 | 7817 | hfc0531 |
| 7594 | hfc0274 | 7650 | hfc0341 | 7706 | hfc0405 | 7762 | hfc0471 | 7818 | hfc0532 |
| 7595 | hfc0275 | 7651 | hfc0342 | 7707 | hfc0406 | 7763 | hfc0472 | 7819 | hfc0533 |
| 7596 | hfc0276 | 7652 | hfc0343 | 7708 | hfc0407 | 7764 | hfc0473 | 7820 | hfc0534 |
| 7597 | hfc0277 | 7653 | hfc0344 | 7709 | hfc0408 | 7765 | hfc0474 | 7821 | hfc0535 |
| 7598 | hfc0278 | 7654 | hfc0345 | 7710 | hfc0409 | 7766 | hfc0475 | 7822 | hfc0536 |
| 7599 | hfc0279 | 7655 | hfc0346 | 7711 | hfc0410 | 7767 | hfc0476 | 7823 | hfc0538 |
| 7600 | hfc0280 | 7656 | hfc0347 | 7712 | hfc0411 | 7768 | hfc0477 | 7824 | hfc0539 |
| 7601 | hfc0281 | 7657 | hfc0348 | 7713 | hfc0412 | 7769 | hfc0478 | 7825 | hfc0540 |
| 7602 | hfc0282 | 7658 | hfc0349 | 7714 | hfc0413 | 7770 | hfc0479 | 7826 | hfc0541 |
| 7603 | hfc0284 | 7659 | hfc0350 | 7715 | hfc0414 | 7771 | hfc0480 | 7827 | hfc0542 |
| 7604 | hfc0285 | 7660 | hfc0351 | 7716 | hfc0415 | 7772 | hfc0481 | 7828 | hfc0543 |
| 7605 | hfc0287 | 7661 | hfc0352 | 7717 | hfc0416 | 7773 | hfc0482 | 7829 | hfc0544 |
| 7606 | hfc0288 | 7662 | hfc0354 | 7718 | hfc0417 | 7774 | hfc0483 | 7830 | hfc0545 |
| 7607 | hfc0290 | 7663 | hfc0356 | 7719 | hfc0418 | 7775 | hfc0484 | 7831 | hfc0546 |
| 7608 | hfc0291 | 7664 | hfc0357 | 7720 | hfc0419 | 7776 | hfc0485 | 7832 | hfc0547 |
| 7609 | hfc0292 | 7665 | hfc0358 | 7721 | hfc0420 | 7777 | hfc0486 | 7833 | hfc0548 |
| 7610 | hfc0293 | 7666 | hfc0359 | 7722 | hfc0421 | 7778 | hfc0487 | 7834 | hfc0549 |
| 7611 | hfc0294 | 7667 | hfc0360 | 7723 | hfc0422 | 7779 | hfc0488 | 7835 | hfc0550 |
| 7612 | hfc0295 | 7668 | hfc0361 | 7724 | hfc0423 | 7780 | hfc0489 | 7836 | hfc0551 |
| 7613 | hfc0297 | 7669 | hfc0362 | 7725 | hfc0424 | 7781 | hfc0491 | 7837 | hfc0554 |
| 7614 | hfc0298 | 7670 | hfc0363 | 7726 | hfc0425 | 7782 | hfc0493 | 7838 | hfc0555 |
| 7615 | hfc0299 | 7671 | hfc0365 | 7727 | hfc0426 | 7783 | hfc0494 | 7839 | hfc0556 |
| 7616 | hfc0300 | 7672 | hfc0366 | 7728 | hfc0427 | 7784 | hfc0495 | 7840 | hfc0557 |

Figure 6B - Continued

| | | | | | | | | | |
|------|---------|------|---------|------|---------|------|---------|------|---------|
| 7841 | hfc0558 | 7897 | hfc0632 | 7953 | hfc0713 | 8009 | hfc0789 | 8065 | hfc0879 |
| 7842 | hfc0559 | 7898 | hfc0633 | 7954 | hfc0715 | 8010 | hfc0790 | 8066 | hfc0882 |
| 7843 | hfc0560 | 7899 | hfc0634 | 7955 | hfc0716 | 8011 | hfc0791 | 8067 | hfc0884 |
| 7844 | hfc0561 | 7900 | hfc0635 | 7956 | hfc0717 | 8012 | hfc0792 | 8068 | hfc0886 |
| 7845 | hfc0562 | 7901 | hfc0636 | 7957 | hfc0718 | 8013 | hfc0797 | 8069 | hfc0887 |
| 7846 | hfc0563 | 7902 | hfc0638 | 7958 | hfc0720 | 8014 | hfc0798 | 8070 | hfc0889 |
| 7847 | hfc0565 | 7903 | hfc0639 | 7959 | hfc0721 | 8015 | hfc0801 | 8071 | hfc0890 |
| 7848 | hfc0566 | 7904 | hfc0645 | 7960 | hfc0722 | 8016 | hfc0802 | 8072 | hfc0892 |
| 7849 | hfc0567 | 7905 | hfc0650 | 7961 | hfc0723 | 8017 | hfc0805 | 8073 | hfc0893 |
| 7850 | hfc0568 | 7906 | hfc0651 | 7962 | hfc0724 | 8018 | hfc0806 | 8074 | hfc0894 |
| 7851 | hfc0569 | 7907 | hfc0652 | 7963 | hfc0725 | 8019 | hfc0807 | 8075 | hfc0895 |
| 7852 | hfc0570 | 7908 | hfc0656 | 7964 | hfc0728 | 8020 | hfc0808 | 8076 | hfc0896 |
| 7853 | hfc0571 | 7909 | hfc0657 | 7965 | hfc0730 | 8021 | hfc0813 | 8077 | hfc0898 |
| 7854 | hfc0572 | 7910 | hfc0662 | 7966 | hfc0731 | 8022 | hfc0815 | 8078 | hfc0899 |
| 7855 | hfc0573 | 7911 | hfc0663 | 7967 | hfc0732 | 8023 | hfc0817 | 8079 | hfc0900 |
| 7856 | hfc0574 | 7912 | hfc0664 | 7968 | hfc0733 | 8024 | hfc0818 | 8080 | hfc0901 |
| 7857 | hfc0575 | 7913 | hfc0665 | 7969 | hfc0734 | 8025 | hfc0819 | 8081 | hfc0902 |
| 7858 | hfc0576 | 7914 | hfc0666 | 7970 | hfc0735 | 8026 | hfc0820 | 8082 | hfc0906 |
| 7859 | hfc0579 | 7915 | hfc0667 | 7971 | hfc0736 | 8027 | hfc0821 | 8083 | hfc0908 |
| 7860 | hfc0580 | 7916 | hfc0668 | 7972 | hfc0737 | 8028 | hfc0822 | 8084 | hfc0910 |
| 7861 | hfc0581 | 7917 | hfc0669 | 7973 | hfc0738 | 8029 | hfc0825 | 8085 | hfc0912 |
| 7862 | hfc0582 | 7918 | hfc0670 | 7974 | hfc0739 | 8030 | hfc0826 | 8086 | hfc0913 |
| 7863 | hfc0584 | 7919 | hfc0673 | 7975 | hfc0740 | 8031 | hfc0827 | 8087 | hfc0916 |
| 7864 | hfc0586 | 7920 | hfc0674 | 7976 | hfc0742 | 8032 | hfc0828 | 8088 | hfc0918 |
| 7865 | hfc0587 | 7921 | hfc0675 | 7977 | hfc0743 | 8033 | hfc0829 | 8089 | hfc0921 |
| 7866 | hfc0588 | 7922 | hfc0676 | 7978 | hfc0745 | 8034 | hfc0830 | 8090 | hfc0922 |
| 7867 | hfc0593 | 7923 | hfc0677 | 7979 | hfc0746 | 8035 | hfc0831 | 8091 | hfc0923 |
| 7868 | hfc0594 | 7924 | hfc0678 | 7980 | hfc0747 | 8036 | hfc0832 | 8092 | hfc0928 |
| 7869 | hfc0595 | 7925 | hfc0679 | 7981 | hfc0748 | 8037 | hfc0835 | 8093 | hfc0929 |
| 7870 | hfc0596 | 7926 | hfc0681 | 7982 | hfc0749 | 8038 | hfc0836 | 8094 | hfc0931 |
| 7871 | hfc0599 | 7927 | hfc0682 | 7983 | hfc0750 | 8039 | hfc0837 | 8095 | hfc0933 |
| 7872 | hfc0601 | 7928 | hfc0683 | 7984 | hfc0751 | 8040 | hfc0838 | 8096 | hfc0934 |
| 7873 | hfc0602 | 7929 | hfc0684 | 7985 | hfc0753 | 8041 | hfc0839 | 8097 | hfc0937 |
| 7874 | hfc0604 | 7930 | hfc0686 | 7986 | hfc0754 | 8042 | hfc0840 | 8098 | hfc0938 |
| 7875 | hfc0605 | 7931 | hfc0687 | 7987 | hfc0756 | 8043 | hfc0841 | 8099 | hfc0940 |
| 7876 | hfc0607 | 7932 | hfc0688 | 7988 | hfc0757 | 8044 | hfc0842 | 8100 | hfc0941 |
| 7877 | hfc0608 | 7933 | hfc0689 | 7989 | hfc0758 | 8045 | hfc0843 | 8101 | hfc0942 |
| 7878 | hfc0609 | 7934 | hfc0691 | 7990 | hfc0760 | 8046 | hfc0844 | 8102 | hfc0944 |
| 7879 | hfc0610 | 7935 | hfc0692 | 7991 | hfc0761 | 8047 | hfc0846 | 8103 | hfc0945 |
| 7880 | hfc0611 | 7936 | hfc0693 | 7992 | hfc0762 | 8048 | hfc0847 | 8104 | hfc0946 |
| 7881 | hfc0612 | 7937 | hfc0694 | 7993 | hfc0763 | 8049 | hfc0849 | 8105 | hfc0947 |
| 7882 | hfc0613 | 7938 | hfc0695 | 7994 | hfc0765 | 8050 | hfc0851 | 8106 | hfc0950 |
| 7883 | hfc0614 | 7939 | hfc0696 | 7995 | hfc0766 | 8051 | hfc0852 | 8107 | hfc0952 |
| 7884 | hfc0615 | 7940 | hfc0697 | 7996 | hfc0768 | 8052 | hfc0853 | 8108 | hfc0953 |
| 7885 | hfc0616 | 7941 | hfc0698 | 7997 | hfc0770 | 8053 | hfc0854 | 8109 | hfc0954 |
| 7886 | hfc0617 | 7942 | hfc0699 | 7998 | hfc0772 | 8054 | hfc0855 | 8110 | hfc0957 |
| 7887 | hfc0618 | 7943 | hfc0700 | 7999 | hfc0774 | 8055 | hfc0856 | 8111 | hfc0959 |
| 7888 | hfc0619 | 7944 | hfc0702 | 8000 | hfc0776 | 8056 | hfc0857 | 8112 | hfc0960 |
| 7889 | hfc0621 | 7945 | hfc0705 | 8001 | hfc0778 | 8057 | hfc0858 | 8113 | hfc0961 |
| 7890 | hfc0622 | 7946 | hfc0706 | 8002 | hfc0780 | 8058 | hfc0859 | 8114 | hfc0962 |
| 7891 | hfc0624 | 7947 | hfc0707 | 8003 | hfc0782 | 8059 | hfc0861 | 8115 | hfc0963 |
| 7892 | hfc0625 | 7948 | hfc0708 | 8004 | hfc0783 | 8060 | hfc0862 | 8116 | hfc0964 |
| 7893 | hfc0626 | 7949 | hfc0709 | 8005 | hfc0784 | 8061 | hfc0863 | 8117 | hfc0966 |
| 7894 | hfc0629 | 7950 | hfc0710 | 8006 | hfc0786 | 8062 | hfc0868 | 8118 | hfc0967 |
| 7895 | hfc0630 | 7951 | hfc0711 | 8007 | hfc0787 | 8063 | hfc0872 | 8119 | hfc0968 |
| 7896 | hfc0631 | 7952 | hfc0712 | 8008 | hfc0788 | 8064 | hfc0873 | 8120 | hfc0969 |

Figure 6B - Continued

| | | | | | | | | | |
|------|----------|------|----------|------|----------|------|----------|------|----------|
| 8121 | hfer0971 | 8177 | hfer1060 | 8233 | hfer1136 | 8289 | hfer1212 | 8345 | hfer1291 |
| 8122 | hfer0973 | 8178 | hfer1063 | 8234 | hfer1137 | 8290 | hfer1213 | 8346 | hfer1292 |
| 8123 | hfer0974 | 8179 | hfer1064 | 8235 | hfer1138 | 8291 | hfer1214 | 8347 | hfer1293 |
| 8124 | hfer0975 | 8180 | hfer1065 | 8236 | hfer1139 | 8292 | hfer1215 | 8348 | hfer1295 |
| 8125 | hfer0976 | 8181 | hfer1066 | 8237 | hfer1140 | 8293 | hfer1217 | 8349 | hfer1296 |
| 8126 | hfer0977 | 8182 | hfer1067 | 8238 | hfer1141 | 8294 | hfer1219 | 8350 | hfer1297 |
| 8127 | hfer0978 | 8183 | hfer1069 | 8239 | hfer1142 | 8295 | hfer1220 | 8351 | hfer1298 |
| 8128 | hfer0979 | 8184 | hfer1071 | 8240 | hfer1144 | 8296 | hfer1221 | 8352 | hfer1302 |
| 8129 | hfer0980 | 8185 | hfer1072 | 8241 | hfer1145 | 8297 | hfer1225 | 8353 | hfer1303 |
| 8130 | hfer0981 | 8186 | hfer1073 | 8242 | hfer1148 | 8298 | hfer1228 | 8354 | hfer1304 |
| 8131 | hfer0982 | 8187 | hfer1074 | 8243 | hfer1149 | 8299 | hfer1229 | 8355 | hfer1306 |
| 8132 | hfer0985 | 8188 | hfer1075 | 8244 | hfer1151 | 8300 | hfer1230 | 8356 | hfer1307 |
| 8133 | hfer0990 | 8189 | hfer1076 | 8245 | hfer1152 | 8301 | hfer1231 | 8357 | hfer1308 |
| 8134 | hfer0991 | 8190 | hfer1077 | 8246 | hfer1156 | 8302 | hfer1232 | 8358 | hfer1309 |
| 8135 | hfer0993 | 8191 | hfer1078 | 8247 | hfer1157 | 8303 | hfer1233 | 8359 | hfer1310 |
| 8136 | hfer0996 | 8192 | hfer1079 | 8248 | hfer1159 | 8304 | hfer1234 | 8360 | hfer1311 |
| 8137 | hfer0997 | 8193 | hfer1080 | 8249 | hfer1161 | 8305 | hfer1235 | 8361 | hfer1312 |
| 8138 | hfer0998 | 8194 | hfer1081 | 8250 | hfer1163 | 8306 | hfer1236 | 8362 | hfer1313 |
| 8139 | hfer1000 | 8195 | hfer1082 | 8251 | hfer1164 | 8307 | hfer1238 | 8363 | hfer1314 |
| 8140 | hfer1001 | 8196 | hfer1083 | 8252 | hfer1165 | 8308 | hfer1240 | 8364 | hfer1315 |
| 8141 | hfer1002 | 8197 | hfer1084 | 8253 | hfer1166 | 8309 | hfer1250 | 8365 | hfer1316 |
| 8142 | hfer1010 | 8198 | hfer1085 | 8254 | hfer1167 | 8310 | hfer1251 | 8366 | hfer1317 |
| 8143 | hfer1011 | 8199 | hfer1090 | 8255 | hfer1170 | 8311 | hfer1252 | 8367 | hfer1318 |
| 8144 | hfer1013 | 8200 | hfer1093 | 8256 | hfer1171 | 8312 | hfer1253 | 8368 | hfer1320 |
| 8145 | hfer1014 | 8201 | hfer1095 | 8257 | hfer1174 | 8313 | hfer1254 | 8369 | hfer1321 |
| 8146 | hfer1016 | 8202 | hfer1096 | 8258 | hfer1175 | 8314 | hfer1255 | 8370 | hfer1322 |
| 8147 | hfer1018 | 8203 | hfer1098 | 8259 | hfer1177 | 8315 | hfer1256 | 8371 | hfer1323 |
| 8148 | hfer1019 | 8204 | hfer1101 | 8260 | hfer1178 | 8316 | hfer1257 | 8372 | hfer1324 |
| 8149 | hfer1020 | 8205 | hfer1103 | 8261 | hfer1179 | 8317 | hfer1259 | 8373 | hfer1325 |
| 8150 | hfer1023 | 8206 | hfer1104 | 8262 | hfer1180 | 8318 | hfer1260 | 8374 | hfer1326 |
| 8151 | hfer1024 | 8207 | hfer1105 | 8263 | hfer1183 | 8319 | hfer1262 | 8375 | hfer1327 |
| 8152 | hfer1025 | 8208 | hfer1106 | 8264 | hfer1184 | 8320 | hfer1263 | 8376 | hfer1328 |
| 8153 | hfer1027 | 8209 | hfer1107 | 8265 | hfer1185 | 8321 | hfer1264 | 8377 | hfer1330 |
| 8154 | hfer1028 | 8210 | hfer1109 | 8266 | hfer1188 | 8322 | hfer1265 | 8378 | hfer1331 |
| 8155 | hfer1031 | 8211 | hfer1110 | 8267 | hfer1189 | 8323 | hfer1267 | 8379 | hfer1332 |
| 8156 | hfer1032 | 8212 | hfer1111 | 8268 | hfer1190 | 8324 | hfer1269 | 8380 | hfer1333 |
| 8157 | hfer1034 | 8213 | hfer1112 | 8269 | hfer1191 | 8325 | hfer1270 | 8381 | hfer1334 |
| 8158 | hfer1035 | 8214 | hfer1113 | 8270 | hfer1192 | 8326 | hfer1271 | 8382 | hfer1335 |
| 8159 | hfer1036 | 8215 | hfer1115 | 8271 | hfer1193 | 8327 | hfer1272 | 8383 | hfer1336 |
| 8160 | hfer1037 | 8216 | hfer1116 | 8272 | hfer1194 | 8328 | hfer1274 | 8384 | hfer1338 |
| 8161 | hfer1038 | 8217 | hfer1117 | 8273 | hfer1195 | 8329 | hfer1275 | 8385 | hfer1339 |
| 8162 | hfer1039 | 8218 | hfer1119 | 8274 | hfer1196 | 8330 | hfer1276 | 8386 | hfer1340 |
| 8163 | hfer1040 | 8219 | hfer1120 | 8275 | hfer1197 | 8331 | hfer1277 | 8387 | hfer1341 |
| 8164 | hfer1041 | 8220 | hfer1121 | 8276 | hfer1198 | 8332 | hfer1278 | 8388 | hfer1342 |
| 8165 | hfer1042 | 8221 | hfer1123 | 8277 | hfer1199 | 8333 | hfer1279 | 8389 | hfer1343 |
| 8166 | hfer1043 | 8222 | hfer1124 | 8278 | hfer1200 | 8334 | hfer1280 | 8390 | hfer1344 |
| 8167 | hfer1045 | 8223 | hfer1125 | 8279 | hfer1201 | 8335 | hfer1281 | 8391 | hfer1345 |
| 8168 | hfer1046 | 8224 | hfer1126 | 8280 | hfer1202 | 8336 | hfer1282 | 8392 | hfer1346 |
| 8169 | hfer1047 | 8225 | hfer1127 | 8281 | hfer1203 | 8337 | hfer1283 | 8393 | hfer1347 |
| 8170 | hfer1048 | 8226 | hfer1128 | 8282 | hfer1204 | 8338 | hfer1284 | 8394 | hfer1348 |
| 8171 | hfer1051 | 8227 | hfer1129 | 8283 | hfer1205 | 8339 | hfer1285 | 8395 | hfer1349 |
| 8172 | hfer1053 | 8228 | hfer1130 | 8284 | hfer1207 | 8340 | hfer1286 | 8396 | hfer1350 |
| 8173 | hfer1054 | 8229 | hfer1131 | 8285 | hfer1208 | 8341 | hfer1287 | 8397 | hfer1351 |
| 8174 | hfer1055 | 8230 | hfer1132 | 8286 | hfer1209 | 8342 | hfer1288 | 8398 | hfer1352 |
| 8175 | hfer1057 | 8231 | hfer1133 | 8287 | hfer1210 | 8343 | hfer1289 | 8399 | hfer1353 |
| 8176 | hfer1059 | 8232 | hfer1135 | 8288 | hfer1211 | 8344 | hfer1290 | 8400 | hfer1354 |

Figure 6B – Continued

| | | | | | | | | | |
|------|---------|------|---------|------|---------|------|---------|------|---------|
| 8401 | hfc1355 | 8457 | hfc1424 | 8513 | hfc1532 | 8569 | hfc1632 | 8625 | hfc1712 |
| 8402 | hfc1356 | 8458 | hfc1425 | 8514 | hfc1533 | 8570 | hfc1633 | 8626 | hfc1713 |
| 8403 | hfc1358 | 8459 | hfc1426 | 8515 | hfc1534 | 8571 | hfc1634 | 8627 | hfc1714 |
| 8404 | hfc1359 | 8460 | hfc1427 | 8516 | hfc1535 | 8572 | hfc1635 | 8628 | hfc1715 |
| 8405 | hfc1360 | 8461 | hfc1428 | 8517 | hfc1536 | 8573 | hfc1637 | 8629 | hfc1716 |
| 8406 | hfc1362 | 8462 | hfc1429 | 8518 | hfc1538 | 8574 | hfc1638 | 8630 | hfc1717 |
| 8407 | hfc1363 | 8463 | hfc1431 | 8519 | hfc1540 | 8575 | hfc1639 | 8631 | hfc1719 |
| 8408 | hfc1364 | 8464 | hfc1432 | 8520 | hfc1541 | 8576 | hfc1640 | 8632 | hfc1720 |
| 8409 | hfc1365 | 8465 | hfc1433 | 8521 | hfc1543 | 8577 | hfc1641 | 8633 | hfc1721 |
| 8410 | hfc1367 | 8466 | hfc1434 | 8522 | hfc1544 | 8578 | hfc1642 | 8634 | hfc1722 |
| 8411 | hfc1368 | 8467 | hfc1435 | 8523 | hfc1546 | 8579 | hfc1644 | 8635 | hfc1723 |
| 8412 | hfc1369 | 8468 | hfc1436 | 8524 | hfc1549 | 8580 | hfc1645 | 8636 | hfc1724 |
| 8413 | hfc1370 | 8469 | hfc1438 | 8525 | hfc1552 | 8581 | hfc1646 | 8637 | hfc1725 |
| 8414 | hfc1371 | 8470 | hfc1444 | 8526 | hfc1553 | 8582 | hfc1647 | 8638 | hfc1726 |
| 8415 | hfc1372 | 8471 | hfc1446 | 8527 | hfc1554 | 8583 | hfc1648 | 8639 | hfc1727 |
| 8416 | hfc1373 | 8472 | hfc1450 | 8528 | hfc1555 | 8584 | hfc1651 | 8640 | hfc1728 |
| 8417 | hfc1375 | 8473 | hfc1453 | 8529 | hfc1558 | 8585 | hfc1653 | 8641 | hfc1730 |
| 8418 | hfc1376 | 8474 | hfc1455 | 8530 | hfc1560 | 8586 | hfc1654 | 8642 | hfc1731 |
| 8419 | hfc1377 | 8475 | hfc1456 | 8531 | hfc1564 | 8587 | hfc1655 | 8643 | hfc1732 |
| 8420 | hfc1378 | 8476 | hfc1458 | 8532 | hfc1565 | 8588 | hfc1656 | 8644 | hfc1733 |
| 8421 | hfc1379 | 8477 | hfc1461 | 8533 | hfc1571 | 8589 | hfc1657 | 8645 | hfc1734 |
| 8422 | hfc1380 | 8478 | hfc1462 | 8534 | hfc1573 | 8590 | hfc1659 | 8646 | hfc1738 |
| 8423 | hfc1381 | 8479 | hfc1465 | 8535 | hfc1575 | 8591 | hfc1661 | 8647 | hfc1739 |
| 8424 | hfc1382 | 8480 | hfc1466 | 8536 | hfc1577 | 8592 | hfc1667 | 8648 | hfc1740 |
| 8425 | hfc1383 | 8481 | hfc1468 | 8537 | hfc1578 | 8593 | hfc1668 | 8649 | hfc1741 |
| 8426 | hfc1384 | 8482 | hfc1469 | 8538 | hfc1580 | 8594 | hfc1669 | 8650 | hfc1742 |
| 8427 | hfc1385 | 8483 | hfc1470 | 8539 | hfc1581 | 8595 | hfc1671 | 8651 | hfc1743 |
| 8428 | hfc1386 | 8484 | hfc1472 | 8540 | hfc1583 | 8596 | hfc1672 | 8652 | hfc1744 |
| 8429 | hfc1387 | 8485 | hfc1477 | 8541 | hfc1590 | 8597 | hfc1674 | 8653 | hfc1745 |
| 8430 | hfc1388 | 8486 | hfc1478 | 8542 | hfc1591 | 8598 | hfc1675 | 8654 | hfc1747 |
| 8431 | hfc1391 | 8487 | hfc1480 | 8543 | hfc1592 | 8599 | hfc1677 | 8655 | hfc1748 |
| 8432 | hfc1392 | 8488 | hfc1482 | 8544 | hfc1596 | 8600 | hfc1678 | 8656 | hfc1749 |
| 8433 | hfc1393 | 8489 | hfc1483 | 8545 | hfc1598 | 8601 | hfc1679 | 8657 | hfc1750 |
| 8434 | hfc1394 | 8490 | hfc1484 | 8546 | hfc1599 | 8602 | hfc1682 | 8658 | hfc1752 |
| 8435 | hfc1395 | 8491 | hfc1487 | 8547 | hfc1600 | 8603 | hfc1683 | 8659 | hfc1754 |
| 8436 | hfc1396 | 8492 | hfc1488 | 8548 | hfc1603 | 8604 | hfc1684 | 8660 | hfc1755 |
| 8437 | hfc1397 | 8493 | hfc1490 | 8549 | hfc1604 | 8605 | hfc1685 | 8661 | hfc1756 |
| 8438 | hfc1398 | 8494 | hfc1491 | 8550 | hfc1605 | 8606 | hfc1686 | 8662 | hfc1757 |
| 8439 | hfc1401 | 8495 | hfc1493 | 8551 | hfc1607 | 8607 | hfc1688 | 8663 | hfc1758 |
| 8440 | hfc1402 | 8496 | hfc1494 | 8552 | hfc1608 | 8608 | hfc1689 | 8664 | hfc1759 |
| 8441 | hfc1403 | 8497 | hfc1499 | 8553 | hfc1610 | 8609 | hfc1690 | 8665 | hfc1760 |
| 8442 | hfc1404 | 8498 | hfc1500 | 8554 | hfc1611 | 8610 | hfc1691 | 8666 | hfc1762 |
| 8443 | hfc1405 | 8499 | hfc1503 | 8555 | hfc1612 | 8611 | hfc1692 | 8667 | hfc1763 |
| 8444 | hfc1406 | 8500 | hfc1504 | 8556 | hfc1613 | 8612 | hfc1693 | 8668 | hfc1764 |
| 8445 | hfc1408 | 8501 | hfc1505 | 8557 | hfc1615 | 8613 | hfc1694 | 8669 | hfc1765 |
| 8446 | hfc1409 | 8502 | hfc1507 | 8558 | hfc1616 | 8614 | hfc1695 | 8670 | hfc1766 |
| 8447 | hfc1410 | 8503 | hfc1508 | 8559 | hfc1620 | 8615 | hfc1696 | 8671 | hfc1767 |
| 8448 | hfc1411 | 8504 | hfc1510 | 8560 | hfc1621 | 8616 | hfc1697 | 8672 | hfc1768 |
| 8449 | hfc1413 | 8505 | hfc1512 | 8561 | hfc1622 | 8617 | hfc1698 | 8673 | hfc1769 |
| 8450 | hfc1414 | 8506 | hfc1517 | 8562 | hfc1623 | 8618 | hfc1699 | 8674 | hfc1770 |
| 8451 | hfc1415 | 8507 | hfc1521 | 8563 | hfc1625 | 8619 | hfc1700 | 8675 | hfc1771 |
| 8452 | hfc1416 | 8508 | hfc1522 | 8564 | hfc1626 | 8620 | hfc1703 | 8676 | hfc1772 |
| 8453 | hfc1418 | 8509 | hfc1523 | 8565 | hfc1627 | 8621 | hfc1707 | 8677 | hfc1773 |
| 8454 | hfc1419 | 8510 | hfc1525 | 8566 | hfc1628 | 8622 | hfc1709 | 8678 | hfc1774 |
| 8455 | hfc1420 | 8511 | hfc1527 | 8567 | hfc1630 | 8623 | hfc1710 | 8679 | hfc1775 |
| 8456 | hfc1422 | 8512 | hfc1531 | 8568 | hfc1631 | 8624 | hfc1711 | 8680 | hfc1776 |

Figure 6B – Continued

| | | | | | | | | | |
|------|---------|------|---------|------|---------|------|---------|------|---------|
| 8681 | hfc1777 | 8737 | hfc1846 | 8793 | hfc1910 | 8849 | hfc2030 | 8905 | hfc2201 |
| 8682 | hfc1778 | 8738 | hfc1847 | 8794 | hfc1911 | 8850 | hfc2031 | 8906 | hfc2209 |
| 8683 | hfc1779 | 8739 | hfc1848 | 8795 | hfc1913 | 8851 | hfc2032 | 8907 | hfc2212 |
| 8684 | hfc1781 | 8740 | hfc1850 | 8796 | hfc1914 | 8852 | hfc2033 | 8908 | hfc2213 |
| 8685 | hfc1782 | 8741 | hfc1851 | 8797 | hfc1915 | 8853 | hfc2035 | 8909 | hfc2214 |
| 8686 | hfc1783 | 8742 | hfc1853 | 8798 | hfc1916 | 8854 | hfc2037 | 8910 | hfc2216 |
| 8687 | hfc1784 | 8743 | hfc1854 | 8799 | hfc1917 | 8855 | hfc2040 | 8911 | hfc2217 |
| 8688 | hfc1785 | 8744 | hfc1855 | 8800 | hfc1918 | 8856 | hfc2041 | 8912 | hfc2218 |
| 8689 | hfc1787 | 8745 | hfc1856 | 8801 | hfc1919 | 8857 | hfc2042 | 8913 | hfc2220 |
| 8690 | hfc1788 | 8746 | hfc1857 | 8802 | hfc1920 | 8858 | hfc2043 | 8914 | hfc2221 |
| 8691 | hfc1789 | 8747 | hfc1858 | 8803 | hfc1921 | 8859 | hfc2044 | 8915 | hfc2224 |
| 8692 | hfc1791 | 8748 | hfc1859 | 8804 | hfc1922 | 8860 | hfc2045 | 8916 | hfc2225 |
| 8693 | hfc1792 | 8749 | hfc1860 | 8805 | hfc1924 | 8861 | hfc2046 | 8917 | hfc2227 |
| 8694 | hfc1793 | 8750 | hfc1861 | 8806 | hfc1925 | 8862 | hfc2047 | 8918 | hfc2229 |
| 8695 | hfc1795 | 8751 | hfc1862 | 8807 | hfc1926 | 8863 | hfc2048 | 8919 | hfc2230 |
| 8696 | hfc1796 | 8752 | hfc1863 | 8808 | hfc1927 | 8864 | hfc2049 | 8920 | hfc2231 |
| 8697 | hfc1798 | 8753 | hfc1864 | 8809 | hfc1928 | 8865 | hfc2050 | 8921 | hfc2233 |
| 8698 | hfc1799 | 8754 | hfc1865 | 8810 | hfc1930 | 8866 | hfc2051 | 8922 | hfc2234 |
| 8699 | hfc1800 | 8755 | hfc1866 | 8811 | hfc1931 | 8867 | hfc2052 | 8923 | hfc2235 |
| 8700 | hfc1802 | 8756 | hfc1867 | 8812 | hfc1932 | 8868 | hfc2053 | 8924 | hfc2237 |
| 8701 | hfc1803 | 8757 | hfc1868 | 8813 | hfc1933 | 8869 | hfc2054 | 8925 | hfc2238 |
| 8702 | hfc1804 | 8758 | hfc1869 | 8814 | hfc1934 | 8870 | hfc2055 | 8926 | hfc2239 |
| 8703 | hfc1805 | 8759 | hfc1870 | 8815 | hfc1937 | 8871 | hfc2058 | 8927 | hfc2243 |
| 8704 | hfc1806 | 8760 | hfc1872 | 8816 | hfc1939 | 8872 | hfc2060 | 8928 | hfc2245 |
| 8705 | hfc1807 | 8761 | hfc1873 | 8817 | hfc1941 | 8873 | hfc2061 | 8929 | hfc2250 |
| 8706 | hfc1808 | 8762 | hfc1874 | 8818 | hfc1944 | 8874 | hfc2062 | 8930 | hfc2251 |
| 8707 | hfc1809 | 8763 | hfc1875 | 8819 | hfc1945 | 8875 | hfc2063 | 8931 | hfc2252 |
| 8708 | hfc1810 | 8764 | hfc1876 | 8820 | hfc1947 | 8876 | hfc2064 | 8932 | hfc2253 |
| 8709 | hfc1811 | 8765 | hfc1877 | 8821 | hfc1948 | 8877 | hfc2065 | 8933 | hfc2254 |
| 8710 | hfc1813 | 8766 | hfc1878 | 8822 | hfc1949 | 8878 | hfc2066 | 8934 | hfc2256 |
| 8711 | hfc1814 | 8767 | hfc1879 | 8823 | hfc1950 | 8879 | hfc2068 | 8935 | hfc2262 |
| 8712 | hfc1815 | 8768 | hfc1880 | 8824 | hfc1951 | 8880 | hfc2069 | 8936 | hfc2263 |
| 8713 | hfc1816 | 8769 | hfc1881 | 8825 | hfc1952 | 8881 | hfc2070 | 8937 | hfc2264 |
| 8714 | hfc1820 | 8770 | hfc1882 | 8826 | hfc1955 | 8882 | hfc2071 | 8938 | hfc2267 |
| 8715 | hfc1821 | 8771 | hfc1883 | 8827 | hfc1956 | 8883 | hfc2073 | 8939 | hfc2269 |
| 8716 | hfc1822 | 8772 | hfc1885 | 8828 | hfc1959 | 8884 | hfc2074 | 8940 | hfc2271 |
| 8717 | hfc1823 | 8773 | hfc1886 | 8829 | hfc1960 | 8885 | hfc2075 | 8941 | hfc2275 |
| 8718 | hfc1824 | 8774 | hfc1887 | 8830 | hfc1963 | 8886 | hfc2076 | 8942 | hfc2282 |
| 8719 | hfc1825 | 8775 | hfc1888 | 8831 | hfc1964 | 8887 | hfc2077 | 8943 | hfc2284 |
| 8720 | hfc1826 | 8776 | hfc1890 | 8832 | hfc1965 | 8888 | hfc2078 | 8944 | hfc2287 |
| 8721 | hfc1827 | 8777 | hfc1891 | 8833 | hfc1968 | 8889 | hfc2079 | 8945 | hfc2288 |
| 8722 | hfc1828 | 8778 | hfc1894 | 8834 | hfc1973 | 8890 | hfc2080 | 8946 | hfc2294 |
| 8723 | hfc1829 | 8779 | hfc1896 | 8835 | hfc1974 | 8891 | hfc2081 | 8947 | hfc2295 |
| 8724 | hfc1830 | 8780 | hfc1897 | 8836 | hfc1977 | 8892 | hfc2082 | 8948 | hfc2296 |
| 8725 | hfc1831 | 8781 | hfc1898 | 8837 | hfc1978 | 8893 | hfc2084 | 8949 | hfc2297 |
| 8726 | hfc1832 | 8782 | hfc1899 | 8838 | hfc2017 | 8894 | hfc2114 | 8950 | hfc2299 |
| 8727 | hfc1834 | 8783 | hfc1900 | 8839 | hfc2018 | 8895 | hfc2128 | 8951 | hfc2301 |
| 8728 | hfc1835 | 8784 | hfc1901 | 8840 | hfc2020 | 8896 | hfc2129 | 8952 | hfc2306 |
| 8729 | hfc1836 | 8785 | hfc1902 | 8841 | hfc2021 | 8897 | hfc2131 | 8953 | hfc2310 |
| 8730 | hfc1838 | 8786 | hfc1903 | 8842 | hfc2022 | 8898 | hfc2138 | 8954 | hfc2312 |
| 8731 | hfc1839 | 8787 | hfc1904 | 8843 | hfc2023 | 8899 | hfc2140 | 8955 | hfc2313 |
| 8732 | hfc1840 | 8788 | hfc1905 | 8844 | hfc2024 | 8900 | hfc2141 | 8956 | hfc2314 |
| 8733 | hfc1841 | 8789 | hfc1906 | 8845 | hfc2026 | 8901 | hfc2148 | 8957 | hfc2318 |
| 8734 | hfc1842 | 8790 | hfc1907 | 8846 | hfc2027 | 8902 | hfc2150 | 8958 | hfc2319 |
| 8735 | hfc1843 | 8791 | hfc1908 | 8847 | hfc2028 | 8903 | hfc2166 | 8959 | hfc2323 |
| 8736 | hfc1844 | 8792 | hfc1909 | 8848 | hfc2029 | 8904 | hfc2195 | 8960 | hfc2324 |

Figure 6B - Continued

| | | | | | | | | | |
|------|----------|------|---------|------|---------|------|---------|------|---------|
| 8961 | hfc2328 | 9017 | hfc2529 | 9073 | hfc2601 | 9129 | hfc2680 | 9185 | hfc2756 |
| 8962 | hfc2329 | 9018 | hfc2530 | 9074 | hfc2602 | 9130 | hfc2682 | 9186 | hfc2757 |
| 8963 | hfc2330 | 9019 | hfc2531 | 9075 | hfc2603 | 9131 | hfc2684 | 9187 | hfc2758 |
| 8964 | hfc2332 | 9020 | hfc2532 | 9076 | hfc2604 | 9132 | hfc2685 | 9188 | hfc2759 |
| 8965 | hfc2334 | 9021 | hfc2534 | 9077 | hfc2607 | 9133 | hfc2686 | 9189 | hfc2760 |
| 8966 | hfc2337 | 9022 | hfc2535 | 9078 | hfc2608 | 9134 | hfc2687 | 9190 | hfc2761 |
| 8967 | hfc2340 | 9023 | hfc2536 | 9079 | hfc2609 | 9135 | hfc2688 | 9191 | hfc2763 |
| 8968 | hfc2341 | 9024 | hfc2537 | 9080 | hfc2610 | 9136 | hfc2689 | 9192 | hfc2766 |
| 8969 | hfc2342 | 9025 | hfc2538 | 9081 | hfc2613 | 9137 | hfc2690 | 9193 | hfc2767 |
| 8970 | hfc2343 | 9026 | hfc2539 | 9082 | hfc2615 | 9138 | hfc2693 | 9194 | hfc2768 |
| 8971 | hfc2344 | 9027 | hfc2543 | 9083 | hfc2616 | 9139 | hfc2695 | 9195 | hfc2770 |
| 8972 | HFCR2365 | 9028 | hfc2544 | 9084 | hfc2617 | 9140 | hfc2696 | 9196 | hfc2772 |
| 8973 | HFCR2366 | 9029 | hfc2545 | 9085 | hfc2618 | 9141 | hfc2699 | 9197 | hfc2774 |
| 8974 | HFCR2367 | 9030 | hfc2546 | 9086 | hfc2619 | 9142 | hfc2700 | 9198 | hfc2777 |
| 8975 | HFCR2375 | 9031 | hfc2547 | 9087 | hfc2621 | 9143 | hfc2702 | 9199 | hfc2778 |
| 8976 | HFCR2376 | 9032 | hfc2548 | 9088 | hfc2622 | 9144 | hfc2703 | 9200 | hfc2780 |
| 8977 | HFCR2378 | 9033 | hfc2549 | 9089 | hfc2623 | 9145 | hfc2704 | 9201 | hfc2781 |
| 8978 | HFCR2379 | 9034 | hfc2550 | 9090 | hfc2624 | 9146 | hfc2705 | 9202 | hfc2782 |
| 8979 | HFCR2380 | 9035 | hfc2552 | 9091 | hfc2626 | 9147 | hfc2706 | 9203 | hfc2783 |
| 8980 | HFCR2381 | 9036 | hfc2553 | 9092 | hfc2627 | 9148 | hfc2708 | 9204 | hfc2784 |
| 8981 | HFCR2384 | 9037 | hfc2554 | 9093 | hfc2628 | 9149 | hfc2709 | 9205 | hfc2786 |
| 8982 | HFCR2386 | 9038 | hfc2555 | 9094 | hfc2629 | 9150 | hfc2710 | 9206 | hfc2787 |
| 8983 | HFCR2388 | 9039 | hfc2556 | 9095 | hfc2631 | 9151 | hfc2712 | 9207 | hfc2789 |
| 8984 | HFCR2389 | 9040 | hfc2557 | 9096 | hfc2632 | 9152 | hfc2713 | 9208 | hfc2790 |
| 8985 | HFCR2390 | 9041 | hfc2558 | 9097 | hfc2633 | 9153 | hfc2714 | 9209 | hfc2791 |
| 8986 | HFCR2391 | 9042 | hfc2559 | 9098 | hfc2635 | 9154 | hfc2715 | 9210 | hfc2792 |
| 8987 | HFCR2399 | 9043 | hfc2560 | 9099 | hfc2637 | 9155 | hfc2718 | 9211 | hfc2793 |
| 8988 | hfc2497 | 9044 | hfc2563 | 9100 | hfc2638 | 9156 | hfc2719 | 9212 | hfc2794 |
| 8989 | hfc2498 | 9045 | hfc2565 | 9101 | hfc2639 | 9157 | hfc2720 | 9213 | hfc2795 |
| 8990 | hfc2499 | 9046 | hfc2567 | 9102 | hfc2640 | 9158 | hfc2721 | 9214 | hfc2796 |
| 8991 | hfc2501 | 9047 | hfc2568 | 9103 | hfc2641 | 9159 | hfc2722 | 9215 | hfc2797 |
| 8992 | hfc2502 | 9048 | hfc2569 | 9104 | hfc2642 | 9160 | hfc2723 | 9216 | hfc2800 |
| 8993 | hfc2503 | 9049 | hfc2570 | 9105 | hfc2643 | 9161 | hfc2724 | 9217 | hfc2801 |
| 8994 | hfc2504 | 9050 | hfc2572 | 9106 | hfc2645 | 9162 | hfc2725 | 9218 | hfc2802 |
| 8995 | hfc2505 | 9051 | hfc2573 | 9107 | hfc2646 | 9163 | hfc2727 | 9219 | hfc2803 |
| 8996 | hfc2506 | 9052 | hfc2574 | 9108 | hfc2648 | 9164 | hfc2728 | 9220 | hfc2804 |
| 8997 | hfc2508 | 9053 | hfc2575 | 9109 | hfc2651 | 9165 | hfc2729 | 9221 | hfc2806 |
| 8998 | hfc2509 | 9054 | hfc2576 | 9110 | hfc2653 | 9166 | hfc2730 | 9222 | hfc2807 |
| 8999 | hfc2510 | 9055 | hfc2578 | 9111 | hfc2654 | 9167 | hfc2731 | 9223 | hfc2808 |
| 9000 | hfc2511 | 9056 | hfc2580 | 9112 | hfc2655 | 9168 | hfc2732 | 9224 | hfc2809 |
| 9001 | hfc2512 | 9057 | hfc2581 | 9113 | hfc2656 | 9169 | hfc2733 | 9225 | hfc2810 |
| 9002 | hfc2513 | 9058 | hfc2582 | 9114 | hfc2657 | 9170 | hfc2735 | 9226 | hfc2811 |
| 9003 | hfc2514 | 9059 | hfc2583 | 9115 | hfc2658 | 9171 | hfc2736 | 9227 | hfc2812 |
| 9004 | hfc2515 | 9060 | hfc2584 | 9116 | hfc2661 | 9172 | hfc2737 | 9228 | hfc2813 |
| 9005 | hfc2516 | 9061 | hfc2586 | 9117 | hfc2664 | 9173 | hfc2740 | 9229 | hfc2814 |
| 9006 | hfc2517 | 9062 | hfc2587 | 9118 | hfc2665 | 9174 | hfc2742 | 9230 | hfc2815 |
| 9007 | hfc2519 | 9063 | hfc2588 | 9119 | hfc2666 | 9175 | hfc2743 | 9231 | hfc2817 |
| 9008 | hfc2520 | 9064 | hfc2589 | 9120 | hfc2667 | 9176 | hfc2744 | 9232 | hfc2820 |
| 9009 | hfc2521 | 9065 | hfc2590 | 9121 | hfc2668 | 9177 | hfc2747 | 9233 | hfc2821 |
| 9010 | hfc2522 | 9066 | hfc2591 | 9122 | hfc2669 | 9178 | hfc2748 | 9234 | hfc2822 |
| 9011 | hfc2523 | 9067 | hfc2592 | 9123 | hfc2670 | 9179 | hfc2749 | 9235 | hfc2823 |
| 9012 | hfc2524 | 9068 | hfc2595 | 9124 | hfc2672 | 9180 | hfc2750 | 9236 | hfc2824 |
| 9013 | hfc2525 | 9069 | hfc2596 | 9125 | hfc2673 | 9181 | hfc2752 | 9237 | hfc2825 |
| 9014 | hfc2526 | 9070 | hfc2598 | 9126 | hfc2674 | 9182 | hfc2753 | 9238 | hfc2827 |
| 9015 | hfc2527 | 9071 | hfc2599 | 9127 | hfc2677 | 9183 | hfc2754 | 9239 | hfc2828 |
| 9016 | hfc2528 | 9072 | hfc2600 | 9128 | hfc2678 | 9184 | hfc2755 | 9240 | hfc2831 |

Figure 6B – Continued

| | | | | | | | | | |
|------|---------|------|---------|------|---------|------|----------|------|----------|
| 9241 | hfc2832 | 9297 | hfc2909 | 9353 | hfc2982 | 9409 | hfc3047 | 9465 | HFCR3136 |
| 9242 | hfc2833 | 9298 | hfc2910 | 9354 | hfc2983 | 9410 | hfc3048 | 9466 | HFCR3137 |
| 9243 | hfc2834 | 9299 | hfc2911 | 9355 | hfc2984 | 9411 | hfc3050 | 9467 | HFCR3138 |
| 9244 | hfc2836 | 9300 | hfc2912 | 9356 | hfc2985 | 9412 | hfc3051 | 9468 | HFCR3139 |
| 9245 | hfc2837 | 9301 | hfc2913 | 9357 | hfc2986 | 9413 | hfc3052 | 9469 | HFCR3140 |
| 9246 | hfc2838 | 9302 | hfc2915 | 9358 | hfc2989 | 9414 | hfc3054 | 9470 | HFCR3141 |
| 9247 | hfc2839 | 9303 | hfc2916 | 9359 | hfc2990 | 9415 | hfc3056 | 9471 | HFCR3142 |
| 9248 | hfc2842 | 9304 | hfc2917 | 9360 | hfc2991 | 9416 | hfc3058 | 9472 | HFCR3143 |
| 9249 | hfc2844 | 9305 | hfc2918 | 9361 | hfc2992 | 9417 | hfc3059 | 9473 | HFCR3144 |
| 9250 | hfc2846 | 9306 | hfc2919 | 9362 | hfc2993 | 9418 | hfc3060 | 9474 | HFCR3145 |
| 9251 | hfc2850 | 9307 | hfc2921 | 9363 | hfc2994 | 9419 | hfc3063 | 9475 | HFCR3146 |
| 9252 | hfc2851 | 9308 | hfc2923 | 9364 | hfc2995 | 9420 | hfc3064 | 9476 | HFCR3147 |
| 9253 | hfc2852 | 9309 | hfc2926 | 9365 | hfc2996 | 9421 | hfc3065 | 9477 | HFCR3148 |
| 9254 | hfc2854 | 9310 | hfc2927 | 9366 | hfc2999 | 9422 | hfc3067 | 9478 | HFCR3149 |
| 9255 | hfc2856 | 9311 | hfc2928 | 9367 | hfc3001 | 9423 | hfc3068 | 9479 | HFCR3150 |
| 9256 | hfc2857 | 9312 | hfc2930 | 9368 | hfc3002 | 9424 | hfc3069 | 9480 | HFCR3152 |
| 9257 | hfc2859 | 9313 | hfc2931 | 9369 | hfc3003 | 9425 | hfc3070 | 9481 | HFCR3154 |
| 9258 | hfc2860 | 9314 | hfc2932 | 9370 | hfc3004 | 9426 | hfc3072 | 9482 | HFCR3155 |
| 9259 | hfc2861 | 9315 | hfc2933 | 9371 | hfc3005 | 9427 | HFCR3073 | 9483 | HFCR3156 |
| 9260 | hfc2862 | 9316 | hfc2934 | 9372 | hfc3006 | 9428 | HFCR3077 | 9484 | HFCR3157 |
| 9261 | hfc2863 | 9317 | hfc2935 | 9373 | hfc3007 | 9429 | hfc3080 | 9485 | HFCR3160 |
| 9262 | hfc2864 | 9318 | hfc2936 | 9374 | hfc3008 | 9430 | HFCR3081 | 9486 | hfc3161 |
| 9263 | hfc2865 | 9319 | hfc2937 | 9375 | hfc3009 | 9431 | HFCR3082 | 9487 | HFCR3162 |
| 9264 | hfc2866 | 9320 | hfc2938 | 9376 | hfc3010 | 9432 | HFCR3084 | 9488 | HFCR3163 |
| 9265 | hfc2867 | 9321 | hfc2939 | 9377 | hfc3011 | 9433 | HFCR3087 | 9489 | HFCR3164 |
| 9266 | hfc2868 | 9322 | hfc2940 | 9378 | hfc3012 | 9434 | HFCR3088 | 9490 | HFCR3165 |
| 9267 | hfc2869 | 9323 | hfc2941 | 9379 | hfc3014 | 9435 | HFCR3089 | 9491 | HFCR3166 |
| 9268 | hfc2870 | 9324 | hfc2942 | 9380 | hfc3015 | 9436 | HFCR3091 | 9492 | HFCR3167 |
| 9269 | hfc2871 | 9325 | hfc2943 | 9381 | hfc3016 | 9437 | HFCR3092 | 9493 | HFCR3168 |
| 9270 | hfc2872 | 9326 | hfc2945 | 9382 | hfc3017 | 9438 | HFCR3093 | 9494 | HFCR3171 |
| 9271 | hfc2873 | 9327 | hfc2946 | 9383 | hfc3018 | 9439 | HFCR3094 | 9495 | HFCR3175 |
| 9272 | hfc2874 | 9328 | hfc2947 | 9384 | hfc3019 | 9440 | HFCR3096 | 9496 | HFCR3177 |
| 9273 | hfc2875 | 9329 | hfc2948 | 9385 | hfc3020 | 9441 | HFCR3097 | 9497 | HFCR3180 |
| 9274 | hfc2876 | 9330 | hfc2950 | 9386 | hfc3021 | 9442 | HFCR3099 | 9498 | HFCR3181 |
| 9275 | hfc2877 | 9331 | hfc2951 | 9387 | hfc3022 | 9443 | HFCR3100 | 9499 | HFCR3182 |
| 9276 | hfc2878 | 9332 | hfc2952 | 9388 | hfc3023 | 9444 | HFCR3101 | 9500 | HFCR3183 |
| 9277 | hfc2879 | 9333 | hfc2953 | 9389 | hfc3024 | 9445 | HFCR3103 | 9501 | HFCR3184 |
| 9278 | hfc2880 | 9334 | hfc2955 | 9390 | hfc3025 | 9446 | HFCR3107 | 9502 | HFCR3185 |
| 9279 | hfc2882 | 9335 | hfc2956 | 9391 | hfc3026 | 9447 | HFCR3108 | 9503 | HFCR3186 |
| 9280 | hfc2883 | 9336 | hfc2957 | 9392 | hfc3027 | 9448 | HFCR3109 | 9504 | HFCR3187 |
| 9281 | hfc2885 | 9337 | hfc2958 | 9393 | hfc3028 | 9449 | HFCR3110 | 9505 | HFCR3189 |
| 9282 | hfc2886 | 9338 | hfc2959 | 9394 | hfc3029 | 9450 | HFCR3113 | 9506 | HFCR3190 |
| 9283 | hfc2887 | 9339 | hfc2960 | 9395 | hfc3030 | 9451 | HFCR3115 | 9507 | HFCR3191 |
| 9284 | hfc2888 | 9340 | hfc2961 | 9396 | hfc3032 | 9452 | HFCR3116 | 9508 | HFCR3194 |
| 9285 | hfc2890 | 9341 | hfc2962 | 9397 | hfc3033 | 9453 | HFCR3117 | 9509 | HFCR3195 |
| 9286 | hfc2892 | 9342 | hfc2963 | 9398 | hfc3034 | 9454 | HFCR3118 | 9510 | HFCR3196 |
| 9287 | hfc2894 | 9343 | hfc2965 | 9399 | hfc3035 | 9455 | HFCR3119 | 9511 | HFCR3197 |
| 9288 | hfc2895 | 9344 | hfc2966 | 9400 | hfc3037 | 9456 | HFCR3120 | 9512 | HFCR3198 |
| 9289 | hfc2896 | 9345 | hfc2971 | 9401 | hfc3038 | 9457 | HFCR3125 | 9513 | HFCR3199 |
| 9290 | hfc2897 | 9346 | hfc2975 | 9402 | hfc3039 | 9458 | HFCR3128 | 9514 | HFCR3200 |
| 9291 | hfc2899 | 9347 | hfc2976 | 9403 | hfc3040 | 9459 | HFCR3130 | 9515 | HFCR3201 |
| 9292 | hfc2900 | 9348 | hfc2977 | 9404 | hfc3042 | 9460 | HFCR3131 | 9516 | HFCR3202 |
| 9293 | hfc2905 | 9349 | hfc2978 | 9405 | hfc3043 | 9461 | HFCR3132 | 9517 | HFCR3203 |
| 9294 | hfc2906 | 9350 | hfc2979 | 9406 | hfc3044 | 9462 | HFCR3133 | 9518 | HFCR3206 |
| 9295 | hfc2907 | 9351 | hfc2980 | 9407 | hfc3045 | 9463 | HFCR3134 | 9519 | HFCR3207 |
| 9296 | hfc2908 | 9352 | hfc2981 | 9408 | hfc3046 | 9464 | HFCR3135 | 9520 | HFCR3209 |

Figure 6B – Continued

| | | | | | | | | | |
|------|----------|------|---------|------|---------|------|---------|------|---------|
| 9521 | HFCR3210 | 9577 | hfc3377 | 9633 | hfc3444 | 9689 | hfc3507 | 9745 | hfc3588 |
| 9522 | HFCR3211 | 9578 | hfc3379 | 9634 | hfc3445 | 9690 | hfc3509 | 9746 | hfc3589 |
| 9523 | HFCR3212 | 9579 | hfc3380 | 9635 | hfc3446 | 9691 | hfc3511 | 9747 | hfc3591 |
| 9524 | HFCR3214 | 9580 | hfc3381 | 9636 | hfc3447 | 9692 | hfc3513 | 9748 | hfc3592 |
| 9525 | HFCR3215 | 9581 | hfc3382 | 9637 | hfc3448 | 9693 | hfc3514 | 9749 | hfc3593 |
| 9526 | HFCR3218 | 9582 | hfc3383 | 9638 | hfc3450 | 9694 | hfc3515 | 9750 | hfc3594 |
| 9527 | HFCR3220 | 9583 | hfc3384 | 9639 | hfc3451 | 9695 | hfc3516 | 9751 | hfc3596 |
| 9528 | HFCR3222 | 9584 | hfc3385 | 9640 | hfc3453 | 9696 | hfc3517 | 9752 | hfc3597 |
| 9529 | HFCR3223 | 9585 | hfc3386 | 9641 | hfc3454 | 9697 | hfc3518 | 9753 | hfc3598 |
| 9530 | HFCR3224 | 9586 | hfc3389 | 9642 | hfc3455 | 9698 | hfc3521 | 9754 | hfc3600 |
| 9531 | HFCR3225 | 9587 | hfc3390 | 9643 | hfc3457 | 9699 | hfc3523 | 9755 | hfc3601 |
| 9532 | HFCR3226 | 9588 | hfc3391 | 9644 | hfc3458 | 9700 | hfc3524 | 9756 | hfc3602 |
| 9533 | HFCR3228 | 9589 | hfc3392 | 9645 | hfc3459 | 9701 | hfc3525 | 9757 | hfc3603 |
| 9534 | HFCR3231 | 9590 | hfc3393 | 9646 | hfc3460 | 9702 | hfc3526 | 9758 | hfc3604 |
| 9535 | HFCR3233 | 9591 | hfc3394 | 9647 | hfc3461 | 9703 | hfc3527 | 9759 | hfc3605 |
| 9536 | HFCR3234 | 9592 | hfc3395 | 9648 | hfc3462 | 9704 | hfc3528 | 9760 | hfc3608 |
| 9537 | HFCR3235 | 9593 | hfc3396 | 9649 | hfc3463 | 9705 | hfc3529 | 9761 | hfc3609 |
| 9538 | HFCR3236 | 9594 | hfc3397 | 9650 | hfc3464 | 9706 | hfc3531 | 9762 | hfc3610 |
| 9539 | HFCR3237 | 9595 | hfc3398 | 9651 | hfc3465 | 9707 | hfc3532 | 9763 | hfc3611 |
| 9540 | HFCR3238 | 9596 | hfc3399 | 9652 | hfc3466 | 9708 | hfc3533 | 9764 | hfc3612 |
| 9541 | HFCR3239 | 9597 | hfc3400 | 9653 | hfc3467 | 9709 | hfc3534 | 9765 | hfc3613 |
| 9542 | HFCR3240 | 9598 | hfc3402 | 9654 | hfc3468 | 9710 | hfc3535 | 9766 | hfc3614 |
| 9543 | HFCR3241 | 9599 | hfc3403 | 9655 | hfc3469 | 9711 | hfc3536 | 9767 | hfc3615 |
| 9544 | HFCR3243 | 9600 | hfc3404 | 9656 | hfc3470 | 9712 | hfc3539 | 9768 | hfc3616 |
| 9545 | HFCR3246 | 9601 | hfc3405 | 9657 | hfc3471 | 9713 | hfc3540 | 9769 | hfc3620 |
| 9546 | HFCR3247 | 9602 | hfc3406 | 9658 | hfc3472 | 9714 | hfc3541 | 9770 | hfc3622 |
| 9547 | HFCR3249 | 9603 | hfc3407 | 9659 | hfc3473 | 9715 | hfc3542 | 9771 | hfc3625 |
| 9548 | HFCR3250 | 9604 | hfc3408 | 9660 | hfc3474 | 9716 | hfc3543 | 9772 | hfc3627 |
| 9549 | HFCR3251 | 9605 | hfc3409 | 9661 | hfc3475 | 9717 | hfc3545 | 9773 | hfc3628 |
| 9550 | HFCR3252 | 9606 | hfc3410 | 9662 | hfc3476 | 9718 | hfc3546 | 9774 | hfc3629 |
| 9551 | HFCR3254 | 9607 | hfc3411 | 9663 | hfc3477 | 9719 | hfc3547 | 9775 | hfc3630 |
| 9552 | HFCR3255 | 9608 | hfc3412 | 9664 | hfc3479 | 9720 | hfc3548 | 9776 | hfc3631 |
| 9553 | HFCR3256 | 9609 | hfc3413 | 9665 | hfc3481 | 9721 | hfc3549 | 9777 | hfc3632 |
| 9554 | HFCR3260 | 9610 | hfc3414 | 9666 | hfc3482 | 9722 | hfc3550 | 9778 | hfc3633 |
| 9555 | HFCR3261 | 9611 | hfc3415 | 9667 | hfc3483 | 9723 | hfc3551 | 9779 | hfc3634 |
| 9556 | HFCR3262 | 9612 | hfc3416 | 9668 | hfc3484 | 9724 | hfc3552 | 9780 | hfc3635 |
| 9557 | HFCR3263 | 9613 | hfc3417 | 9669 | hfc3485 | 9725 | hfc3555 | 9781 | hfc3639 |
| 9558 | HFCR3264 | 9614 | hfc3418 | 9670 | hfc3486 | 9726 | hfc3556 | 9782 | hfc3642 |
| 9559 | HFCR3276 | 9615 | hfc3420 | 9671 | hfc3487 | 9727 | hfc3557 | 9783 | hfc3644 |
| 9560 | HFCR3282 | 9616 | hfc3421 | 9672 | hfc3488 | 9728 | hfc3558 | 9784 | hfc3645 |
| 9561 | HFCR3283 | 9617 | hfc3422 | 9673 | hfc3489 | 9729 | hfc3559 | 9785 | hfc3647 |
| 9562 | HFCR3284 | 9618 | hfc3424 | 9674 | hfc3490 | 9730 | hfc3562 | 9786 | hfc3649 |
| 9563 | HFCR3285 | 9619 | hfc3425 | 9675 | hfc3491 | 9731 | hfc3563 | 9787 | hfc3650 |
| 9564 | hfc3362 | 9620 | hfc3427 | 9676 | hfc3492 | 9732 | hfc3565 | 9788 | hfc3651 |
| 9565 | hfc3363 | 9621 | hfc3428 | 9677 | hfc3493 | 9733 | hfc3568 | 9789 | hfc3652 |
| 9566 | hfc3364 | 9622 | hfc3432 | 9678 | hfc3494 | 9734 | hfc3570 | 9790 | hfc3653 |
| 9567 | hfc3365 | 9623 | hfc3434 | 9679 | hfc3496 | 9735 | hfc3571 | 9791 | hfc3654 |
| 9568 | hfc3366 | 9624 | hfc3435 | 9680 | hfc3497 | 9736 | hfc3572 | 9792 | hfc3658 |
| 9569 | hfc3367 | 9625 | hfc3436 | 9681 | hfc3498 | 9737 | hfc3575 | 9793 | hfc3659 |
| 9570 | hfc3369 | 9626 | hfc3437 | 9682 | hfc3499 | 9738 | hfc3576 | 9794 | hfc3660 |
| 9571 | hfc3370 | 9627 | hfc3438 | 9683 | hfc3500 | 9739 | hfc3579 | 9795 | hfc3665 |
| 9572 | hfc3371 | 9628 | hfc3439 | 9684 | hfc3501 | 9740 | hfc3580 | 9796 | hfc3667 |
| 9573 | hfc3373 | 9629 | hfc3440 | 9685 | hfc3502 | 9741 | hfc3582 | 9797 | hfc3670 |
| 9574 | hfc3374 | 9630 | hfc3441 | 9686 | hfc3503 | 9742 | hfc3583 | 9798 | hfc3671 |
| 9575 | hfc3375 | 9631 | hfc3442 | 9687 | hfc3504 | 9743 | hfc3584 | 9799 | hfc3672 |
| 9576 | hfc3376 | 9632 | hfc3443 | 9688 | hfc3506 | 9744 | hfc3587 | 9800 | hfc3673 |

Figure 6B – Continued

| | | | | | | | | | |
|------|---------|------|---------|------|---------|-------|---------|-------|---------|
| 9801 | hfc3674 | 9857 | hfc3747 | 9913 | hfc3823 | 9969 | hfc3897 | 10025 | hfc3970 |
| 9802 | hfc3675 | 9858 | hfc3748 | 9914 | hfc3827 | 9970 | hfc3898 | 10026 | hfc3971 |
| 9803 | hfc3676 | 9859 | hfc3749 | 9915 | hfc3828 | 9971 | hfc3899 | 10027 | hfc3972 |
| 9804 | hfc3677 | 9860 | hfc3750 | 9916 | hfc3830 | 9972 | hfc3900 | 10028 | hfc3974 |
| 9805 | hfc3678 | 9861 | hfc3751 | 9917 | hfc3833 | 9973 | hfc3901 | 10029 | hfc3978 |
| 9806 | hfc3679 | 9862 | hfc3752 | 9918 | hfc3834 | 9974 | hfc3902 | 10030 | hfc3979 |
| 9807 | hfc3680 | 9863 | hfc3753 | 9919 | hfc3835 | 9975 | hfc3903 | 10031 | hfc3980 |
| 9808 | hfc3682 | 9864 | hfc3754 | 9920 | hfc3837 | 9976 | hfc3904 | 10032 | hfc3981 |
| 9809 | hfc3684 | 9865 | hfc3756 | 9921 | hfc3839 | 9977 | hfc3905 | 10033 | hfc3982 |
| 9810 | hfc3686 | 9866 | hfc3757 | 9922 | hfc3840 | 9978 | hfc3906 | 10034 | hfc3983 |
| 9811 | hfc3687 | 9867 | hfc3758 | 9923 | hfc3841 | 9979 | hfc3908 | 10035 | hfc3984 |
| 9812 | hfc3690 | 9868 | hfc3759 | 9924 | hfc3842 | 9980 | hfc3909 | 10036 | hfc3986 |
| 9813 | hfc3691 | 9869 | hfc3760 | 9925 | hfc3844 | 9981 | hfc3911 | 10037 | hfc3988 |
| 9814 | hfc3692 | 9870 | hfc3761 | 9926 | hfc3845 | 9982 | hfc3912 | 10038 | hfc3990 |
| 9815 | hfc3693 | 9871 | hfc3762 | 9927 | hfc3846 | 9983 | hfc3913 | 10039 | hfc3991 |
| 9816 | hfc3694 | 9872 | hfc3763 | 9928 | hfc3847 | 9984 | hfc3914 | 10040 | hfc3994 |
| 9817 | hfc3695 | 9873 | hfc3764 | 9929 | hfc3848 | 9985 | hfc3915 | 10041 | hfc3995 |
| 9818 | hfc3698 | 9874 | hfc3766 | 9930 | hfc3853 | 9986 | hfc3916 | 10042 | hfc3996 |
| 9819 | hfc3699 | 9875 | hfc3767 | 9931 | hfc3854 | 9987 | hfc3917 | 10043 | hfc3997 |
| 9820 | hfc3700 | 9876 | hfc3769 | 9932 | hfc3855 | 9988 | hfc3918 | 10044 | hfc3998 |
| 9821 | hfc3706 | 9877 | hfc3770 | 9933 | hfc3858 | 9989 | hfc3919 | 10045 | hfc3999 |
| 9822 | hfc3707 | 9878 | hfc3771 | 9934 | hfc3859 | 9990 | hfc3920 | 10046 | hfc4000 |
| 9823 | hfc3708 | 9879 | hfc3772 | 9935 | hfc3861 | 9991 | hfc3921 | 10047 | hfc4002 |
| 9824 | hfc3711 | 9880 | hfc3773 | 9936 | hfc3862 | 9992 | hfc3922 | 10048 | hfc4004 |
| 9825 | hfc3712 | 9881 | hfc3774 | 9937 | hfc3863 | 9993 | hfc3923 | 10049 | hfc4006 |
| 9826 | hfc3713 | 9882 | hfc3775 | 9938 | hfc3864 | 9994 | hfc3925 | 10050 | hfc4007 |
| 9827 | hfc3715 | 9883 | hfc3776 | 9939 | hfc3865 | 9995 | hfc3926 | 10051 | hfc4008 |
| 9828 | hfc3716 | 9884 | hfc3777 | 9940 | hfc3866 | 9996 | hfc3928 | 10052 | hfc4010 |
| 9829 | hfc3717 | 9885 | hfc3778 | 9941 | hfc3867 | 9997 | hfc3929 | 10053 | hfc4011 |
| 9830 | hfc3718 | 9886 | hfc3779 | 9942 | hfc3868 | 9998 | hfc3930 | 10054 | hfc4012 |
| 9831 | hfc3719 | 9887 | hfc3781 | 9943 | hfc3869 | 9999 | hfc3931 | 10055 | hfc4014 |
| 9832 | hfc3720 | 9888 | hfc3783 | 9944 | hfc3871 | 10000 | hfc3932 | 10056 | hfc4015 |
| 9833 | hfc3721 | 9889 | hfc3784 | 9945 | hfc3872 | 10001 | hfc3933 | 10057 | hfc4016 |
| 9834 | hfc3722 | 9890 | hfc3787 | 9946 | hfc3873 | 10002 | hfc3935 | 10058 | hfc4018 |
| 9835 | hfc3723 | 9891 | hfc3790 | 9947 | hfc3874 | 10003 | hfc3936 | 10059 | hfc4023 |
| 9836 | hfc3724 | 9892 | hfc3793 | 9948 | hfc3875 | 10004 | hfc3938 | 10060 | hfc4024 |
| 9837 | hfc3725 | 9893 | hfc3794 | 9949 | hfc3876 | 10005 | hfc3940 | 10061 | hfc4026 |
| 9838 | hfc3726 | 9894 | hfc3795 | 9950 | hfc3877 | 10006 | hfc3941 | 10062 | hfc4027 |
| 9839 | hfc3727 | 9895 | hfc3796 | 9951 | hfc3878 | 10007 | hfc3942 | 10063 | hfc4028 |
| 9840 | hfc3729 | 9896 | hfc3797 | 9952 | hfc3879 | 10008 | hfc3943 | 10064 | hfc4031 |
| 9841 | hfc3730 | 9897 | hfc3798 | 9953 | hfc3880 | 10009 | hfc3944 | 10065 | hfc4032 |
| 9842 | hfc3731 | 9898 | hfc3799 | 9954 | hfc3881 | 10010 | hfc3946 | 10066 | hfc4034 |
| 9843 | hfc3733 | 9899 | hfc3800 | 9955 | hfc3882 | 10011 | hfc3947 | 10067 | hfc4035 |
| 9844 | hfc3734 | 9900 | hfc3801 | 9956 | hfc3883 | 10012 | hfc3948 | 10068 | hfc4037 |
| 9845 | hfc3735 | 9901 | hfc3802 | 9957 | hfc3884 | 10013 | hfc3951 | 10069 | hfc4038 |
| 9846 | hfc3736 | 9902 | hfc3803 | 9958 | hfc3885 | 10014 | hfc3952 | 10070 | hfc4044 |
| 9847 | hfc3737 | 9903 | hfc3805 | 9959 | hfc3886 | 10015 | hfc3954 | 10071 | hfc4045 |
| 9848 | hfc3738 | 9904 | hfc3806 | 9960 | hfc3887 | 10016 | hfc3956 | 10072 | hfc4046 |
| 9849 | hfc3739 | 9905 | hfc3808 | 9961 | hfc3888 | 10017 | hfc3958 | 10073 | hfc4048 |
| 9850 | hfc3740 | 9906 | hfc3809 | 9962 | hfc3889 | 10018 | hfc3960 | 10074 | hfc4049 |
| 9851 | hfc3741 | 9907 | hfc3810 | 9963 | hfc3890 | 10019 | hfc3961 | 10075 | hfc4051 |
| 9852 | hfc3742 | 9908 | hfc3816 | 9964 | hfc3892 | 10020 | hfc3962 | 10076 | hfc4053 |
| 9853 | hfc3743 | 9909 | hfc3818 | 9965 | hfc3893 | 10021 | hfc3963 | 10077 | hfc4054 |
| 9854 | hfc3744 | 9910 | hfc3819 | 9966 | hfc3894 | 10022 | hfc3964 | 10078 | hfc4055 |
| 9855 | hfc3745 | 9911 | hfc3820 | 9967 | hfc3895 | 10023 | hfc3967 | 10079 | hfc4057 |
| 9856 | hfc3746 | 9912 | hfc3821 | 9968 | hfc3896 | 10024 | hfc3968 | 10080 | hfc4058 |

Figure 6B - Continued

| | | | | | | | | | |
|-------|---------|-------|---------|-------|---------|-------|---------|-------|---------|
| 10081 | hfc4059 | 10137 | hfc4138 | 10193 | hfc4212 | 10249 | hfc4438 | 10305 | hfc4541 |
| 10082 | hfc4060 | 10138 | hfc4139 | 10194 | hfc4214 | 10250 | hfc4439 | 10306 | hfc4542 |
| 10083 | hfc4061 | 10139 | hfc4140 | 10195 | hfc4215 | 10251 | hfc4440 | 10307 | hfc4545 |
| 10084 | hfc4062 | 10140 | hfc4141 | 10196 | hfc4219 | 10252 | hfc4441 | 10308 | hfc4557 |
| 10085 | hfc4063 | 10141 | hfc4142 | 10197 | hfc4220 | 10253 | hfc4443 | 10309 | hfc4565 |
| 10086 | hfc4064 | 10142 | hfc4143 | 10198 | hfc4222 | 10254 | hfc4444 | 10310 | hfc4574 |
| 10087 | hfc4066 | 10143 | hfc4145 | 10199 | hfc4223 | 10255 | hfc4445 | 10311 | hfc4596 |
| 10088 | hfc4067 | 10144 | hfc4146 | 10200 | hfc4226 | 10256 | hfc4446 | 10312 | hfc4598 |
| 10089 | hfc4068 | 10145 | hfc4148 | 10201 | hfc4230 | 10257 | hfc4447 | 10313 | hfc4600 |
| 10090 | hfc4069 | 10146 | hfc4150 | 10202 | hfc4235 | 10258 | hfc4449 | 10314 | hfc4604 |
| 10091 | hfc4072 | 10147 | hfc4151 | 10203 | hfc4241 | 10259 | hfc4451 | 10315 | hfc4609 |
| 10092 | hfc4073 | 10148 | hfc4152 | 10204 | hfc4244 | 10260 | hfc4452 | 10316 | hfc4612 |
| 10093 | hfc4074 | 10149 | hfc4154 | 10205 | hfc4247 | 10261 | hfc4454 | 10317 | hfc4613 |
| 10094 | hfc4075 | 10150 | hfc4156 | 10206 | hfc4252 | 10262 | hfc4457 | 10318 | hfc4614 |
| 10095 | hfc4076 | 10151 | hfc4157 | 10207 | hfc4256 | 10263 | hfc4458 | 10319 | hfc4615 |
| 10096 | hfc4077 | 10152 | hfc4158 | 10208 | hfc4260 | 10264 | hfc4460 | 10320 | hfc4621 |
| 10097 | hfc4078 | 10153 | hfc4159 | 10209 | hfc4266 | 10265 | hfc4461 | 10321 | hfc4639 |
| 10098 | hfc4079 | 10154 | hfc4160 | 10210 | hfc4267 | 10266 | hfc4462 | 10322 | hfc4640 |
| 10099 | hfc4080 | 10155 | hfc4161 | 10211 | hfc4270 | 10267 | hfc4463 | 10323 | hfc4645 |
| 10100 | hfc4081 | 10156 | hfc4162 | 10212 | hfc4273 | 10268 | hfc4464 | 10324 | hfc4651 |
| 10101 | hfc4082 | 10157 | hfc4163 | 10213 | hfc4274 | 10269 | hfc4466 | 10325 | hfc4652 |
| 10102 | hfc4083 | 10158 | hfc4164 | 10214 | hfc4275 | 10270 | hfc4467 | 10326 | hfc4653 |
| 10103 | hfc4084 | 10159 | hfc4165 | 10215 | hfc4278 | 10271 | hfc4468 | 10327 | hfc4654 |
| 10104 | hfc4085 | 10160 | hfc4166 | 10216 | hfc4279 | 10272 | hfc4469 | 10328 | hfc4659 |
| 10105 | hfc4086 | 10161 | hfc4167 | 10217 | hfc4281 | 10273 | hfc4470 | 10329 | hfc4660 |
| 10106 | hfc4087 | 10162 | hfc4168 | 10218 | hfc4283 | 10274 | hfc4472 | 10330 | hfc4661 |
| 10107 | hfc4089 | 10163 | hfc4169 | 10219 | hfc4284 | 10275 | hfc4475 | 10331 | hfc4662 |
| 10108 | hfc4094 | 10164 | hfc4170 | 10220 | hfc4289 | 10276 | hfc4476 | 10332 | hfc4663 |
| 10109 | hfc4099 | 10165 | hfc4171 | 10221 | hfc4297 | 10277 | hfc4477 | 10333 | hfc4667 |
| 10110 | hfc4100 | 10166 | hfc4172 | 10222 | hfc4309 | 10278 | hfc4479 | 10334 | hfc4670 |
| 10111 | hfc4101 | 10167 | hfc4173 | 10223 | hfc4315 | 10279 | hfc4480 | 10335 | hfc4677 |
| 10112 | hfc4103 | 10168 | hfc4174 | 10224 | hfc4316 | 10280 | hfc4482 | 10336 | hfc4680 |
| 10113 | hfc4106 | 10169 | hfc4175 | 10225 | hfc4325 | 10281 | hfc4483 | 10337 | hfc4684 |
| 10114 | hfc4111 | 10170 | hfc4176 | 10226 | hfc4326 | 10282 | hfc4485 | 10338 | hfc4685 |
| 10115 | hfc4112 | 10171 | hfc4177 | 10227 | hfc4327 | 10283 | hfc4487 | 10339 | hfc4696 |
| 10116 | hfc4114 | 10172 | hfc4179 | 10228 | hfc4333 | 10284 | hfc4488 | 10340 | hfc4707 |
| 10117 | hfc4115 | 10173 | hfc4180 | 10229 | hfc4334 | 10285 | hfc4489 | 10341 | hfc4713 |
| 10118 | hfc4116 | 10174 | hfc4181 | 10230 | hfc4335 | 10286 | hfc4491 | 10342 | hfc4716 |
| 10119 | hfc4117 | 10175 | hfc4186 | 10231 | hfc4337 | 10287 | hfc4492 | 10343 | hfc4717 |
| 10120 | hfc4118 | 10176 | hfc4187 | 10232 | hfc4341 | 10288 | hfc4493 | 10344 | hfc4730 |
| 10121 | hfc4119 | 10177 | hfc4188 | 10233 | hfc4342 | 10289 | hfc4494 | 10345 | hfc4732 |
| 10122 | hfc4120 | 10178 | hfc4190 | 10234 | hfc4345 | 10290 | hfc4495 | 10346 | hfc4741 |
| 10123 | hfc4121 | 10179 | hfc4191 | 10235 | hfc4347 | 10291 | hfc4497 | 10347 | hfc4743 |
| 10124 | hfc4122 | 10180 | hfc4193 | 10236 | hfc4348 | 10292 | hfc4498 | 10348 | hfc4748 |
| 10125 | hfc4123 | 10181 | hfc4194 | 10237 | hfc4349 | 10293 | hfc4499 | 10349 | hfc4760 |
| 10126 | hfc4124 | 10182 | hfc4195 | 10238 | hfc4350 | 10294 | hfc4500 | 10350 | hfc4761 |
| 10127 | hfc4125 | 10183 | hfc4196 | 10239 | hfc4351 | 10295 | hfc4502 | 10351 | hfc4765 |
| 10128 | hfc4126 | 10184 | hfc4197 | 10240 | hfc4417 | 10296 | hfc4504 | 10352 | hfc4766 |
| 10129 | hfc4129 | 10185 | hfc4202 | 10241 | hfc4421 | 10297 | hfc4506 | 10353 | hfc4769 |
| 10130 | hfc4130 | 10186 | hfc4203 | 10242 | hfc4422 | 10298 | hfc4508 | 10354 | hfc4775 |
| 10131 | hfc4131 | 10187 | hfc4204 | 10243 | hfc4423 | 10299 | hfc4509 | 10355 | hfc4776 |
| 10132 | hfc4132 | 10188 | hfc4205 | 10244 | hfc4424 | 10300 | hfc4510 | 10356 | hfc4782 |
| 10133 | hfc4133 | 10189 | hfc4206 | 10245 | hfc4426 | 10301 | hfc4515 | 10357 | hfc4806 |
| 10134 | hfc4134 | 10190 | hfc4207 | 10246 | hfc4429 | 10302 | hfc4527 | 10358 | hfc4807 |
| 10135 | hfc4135 | 10191 | hfc4208 | 10247 | hfc4430 | 10303 | hfc4529 | 10359 | hfc4813 |
| 10136 | hfc4136 | 10192 | hfc4211 | 10248 | hfc4437 | 10304 | hfc4530 | 10360 | hfc4816 |

Figure 6B - Continued

| | | | | | | | | | |
|-------|---------|-------|---------|-------|---------|-------|---------|-------|---------|
| 10361 | hfc4817 | 10417 | hfc5122 | 10473 | hfc5205 | 10529 | hfc5395 | 10585 | hfc5506 |
| 10362 | hfc4823 | 10418 | hfc5123 | 10474 | hfc5206 | 10530 | hfc5396 | 10586 | hfc5507 |
| 10363 | hfc4832 | 10419 | hfc5125 | 10475 | hfc5207 | 10531 | hfc5397 | 10587 | hfc5511 |
| 10364 | hfc4834 | 10420 | hfc5126 | 10476 | hfc5209 | 10532 | hfc5398 | 10588 | hfc5512 |
| 10365 | hfc4846 | 10421 | hfc5127 | 10477 | hfc5211 | 10533 | hfc5399 | 10589 | hfc5513 |
| 10366 | hfc4848 | 10422 | hfc5128 | 10478 | hfc5215 | 10534 | hfc5400 | 10590 | hfc5514 |
| 10367 | hfc4897 | 10423 | hfc5129 | 10479 | hfc5220 | 10535 | hfc5403 | 10591 | hfc5515 |
| 10368 | hfc4901 | 10424 | hfc5131 | 10480 | hfc5222 | 10536 | hfc5404 | 10592 | hfc5517 |
| 10369 | hfc4995 | 10425 | hfc5133 | 10481 | hfc5225 | 10537 | hfc5408 | 10593 | hfc5521 |
| 10370 | hfc5002 | 10426 | hfc5134 | 10482 | hfc5228 | 10538 | hfc5410 | 10594 | hfc5522 |
| 10371 | hfc5003 | 10427 | hfc5135 | 10483 | hfc5229 | 10539 | hfc5412 | 10595 | hfc5528 |
| 10372 | hfc5009 | 10428 | hfc5138 | 10484 | hfc5232 | 10540 | hfc5413 | 10596 | hfc5531 |
| 10373 | hfc5010 | 10429 | hfc5139 | 10485 | hfc5233 | 10541 | hfc5418 | 10597 | hfc5534 |
| 10374 | hfc5011 | 10430 | hfc5140 | 10486 | hfc5234 | 10542 | hfc5420 | 10598 | hfc5537 |
| 10375 | hfc5014 | 10431 | hfc5141 | 10487 | hfc5236 | 10543 | hfc5421 | 10599 | hfc5538 |
| 10376 | hfc5017 | 10432 | hfc5147 | 10488 | hfc5237 | 10544 | hfc5422 | 10600 | hfc5555 |
| 10377 | hfc5019 | 10433 | hfc5148 | 10489 | hfc5239 | 10545 | hfc5423 | 10601 | hfc5556 |
| 10378 | hfc5023 | 10434 | hfc5149 | 10490 | hfc5240 | 10546 | hfc5424 | 10602 | hfc5559 |
| 10379 | hfc5029 | 10435 | hfc5150 | 10491 | hfc5242 | 10547 | hfc5425 | 10603 | hfc5562 |
| 10380 | hfc5030 | 10436 | hfc5153 | 10492 | hfc5243 | 10548 | hfc5426 | 10604 | hfc5563 |
| 10381 | hfc5031 | 10437 | hfc5154 | 10493 | hfc5244 | 10549 | hfc5427 | 10605 | hfc5564 |
| 10382 | hfc5034 | 10438 | hfc5155 | 10494 | hfc5246 | 10550 | hfc5428 | 10606 | hfc5565 |
| 10383 | hfc5037 | 10439 | hfc5157 | 10495 | hfc5248 | 10551 | hfc5429 | 10607 | hfc5569 |
| 10384 | hfc5038 | 10440 | hfc5158 | 10496 | hfc5249 | 10552 | hfc5432 | 10608 | hfc5570 |
| 10385 | hfc5041 | 10441 | hfc5162 | 10497 | hfc5250 | 10553 | hfc5433 | 10609 | hfc5571 |
| 10386 | hfc5045 | 10442 | hfc5163 | 10498 | hfc5251 | 10554 | hfc5435 | 10610 | hfc5577 |
| 10387 | hfc5046 | 10443 | hfc5164 | 10499 | hfc5252 | 10555 | hfc5438 | 10611 | hfc5579 |
| 10388 | hfc5053 | 10444 | hfc5166 | 10500 | hfc5253 | 10556 | hfc5439 | 10612 | hfc5580 |
| 10389 | hfc5057 | 10445 | hfc5167 | 10501 | hfc5254 | 10557 | hfc5440 | 10613 | hfc5582 |
| 10390 | hfc5065 | 10446 | hfc5168 | 10502 | hfc5256 | 10558 | hfc5442 | 10614 | hfc5583 |
| 10391 | hfc5067 | 10447 | hfc5169 | 10503 | hfc5257 | 10559 | hfc5445 | 10615 | hfc5590 |
| 10392 | hfc5070 | 10448 | hfc5170 | 10504 | hfc5258 | 10560 | hfc5447 | 10616 | hfc5591 |
| 10393 | hfc5071 | 10449 | hfc5171 | 10505 | hfc5260 | 10561 | hfc5449 | 10617 | hfc5592 |
| 10394 | hfc5075 | 10450 | hfc5172 | 10506 | hfc5262 | 10562 | hfc5450 | 10618 | hfc5593 |
| 10395 | hfc5078 | 10451 | hfc5173 | 10507 | hfc5263 | 10563 | hfc5452 | 10619 | hfc5596 |
| 10396 | hfc5079 | 10452 | hfc5174 | 10508 | hfc5264 | 10564 | hfc5454 | 10620 | hfc5601 |
| 10397 | hfc5082 | 10453 | hfc5175 | 10509 | hfc5265 | 10565 | hfc5458 | 10621 | hfc5602 |
| 10398 | hfc5083 | 10454 | hfc5177 | 10510 | hfc5266 | 10566 | hfc5463 | 10622 | hfc5603 |
| 10399 | hfc5085 | 10455 | hfc5181 | 10511 | hfc5267 | 10567 | hfc5467 | 10623 | hfc5604 |
| 10400 | hfc5086 | 10456 | hfc5182 | 10512 | hfc5268 | 10568 | hfc5468 | 10624 | hfc5606 |
| 10401 | hfc5087 | 10457 | hfc5183 | 10513 | hfc5272 | 10569 | hfc5469 | 10625 | hfc5607 |
| 10402 | hfc5091 | 10458 | hfc5184 | 10514 | hfc5273 | 10570 | hfc5471 | 10626 | hfc5608 |
| 10403 | hfc5094 | 10459 | hfc5187 | 10515 | hfc5274 | 10571 | hfc5472 | 10627 | hfc5611 |
| 10404 | hfc5095 | 10460 | hfc5188 | 10516 | hfc5275 | 10572 | hfc5473 | 10628 | hfc5612 |
| 10405 | hfc5099 | 10461 | hfc5189 | 10517 | hfc5278 | 10573 | hfc5474 | 10629 | hfc5616 |
| 10406 | hfc5106 | 10462 | hfc5190 | 10518 | hfc5279 | 10574 | hfc5476 | 10630 | hfc5618 |
| 10407 | hfc5107 | 10463 | hfc5192 | 10519 | hfc5280 | 10575 | hfc5481 | 10631 | hfc5619 |
| 10408 | hfc5108 | 10464 | hfc5193 | 10520 | hfc5281 | 10576 | hfc5482 | 10632 | hfc5620 |
| 10409 | hfc5109 | 10465 | hfc5194 | 10521 | hfc5380 | 10577 | hfc5483 | 10633 | hfc5626 |
| 10410 | hfc5111 | 10466 | hfc5197 | 10522 | hfc5381 | 10578 | hfc5484 | 10634 | hfc5628 |
| 10411 | hfc5113 | 10467 | hfc5198 | 10523 | hfc5382 | 10579 | hfc5489 | 10635 | hfc5629 |
| 10412 | hfc5114 | 10468 | hfc5199 | 10524 | hfc5383 | 10580 | hfc5497 | 10636 | hfc5634 |
| 10413 | hfc5117 | 10469 | hfc5200 | 10525 | hfc5386 | 10581 | hfc5498 | 10637 | hfc5636 |
| 10414 | hfc5119 | 10470 | hfc5201 | 10526 | hfc5388 | 10582 | hfc5499 | 10638 | hfc5640 |
| 10415 | hfc5120 | 10471 | hfc5202 | 10527 | hfc5390 | 10583 | hfc5504 | 10639 | hfc5642 |
| 10416 | hfc5121 | 10472 | hfc5203 | 10528 | hfc5391 | 10584 | hfc5505 | 10640 | hfc5643 |

Figure 6B – Continued

| | | | | | | | | | |
|-------|---------|-------|---------|-------|---------|-------|---------|-------|---------|
| 10641 | hfc5649 | 10697 | hfc5759 | 10753 | hfc5840 | 10809 | hfc5939 | 10865 | hfc6012 |
| 10642 | hfc5654 | 10698 | hfc5764 | 10754 | hfc5842 | 10810 | hfc5940 | 10866 | hfc6013 |
| 10643 | hfc5655 | 10699 | hfc5765 | 10755 | hfc5843 | 10811 | hfc5941 | 10867 | hfc6016 |
| 10644 | hfc5657 | 10700 | hfc5767 | 10756 | hfc5845 | 10812 | hfc5942 | 10868 | hfc6017 |
| 10645 | hfc5658 | 10701 | hfc5768 | 10757 | hfc5847 | 10813 | hfc5943 | 10869 | hfc6018 |
| 10646 | hfc5659 | 10702 | hfc5769 | 10758 | hfc5848 | 10814 | hfc5948 | 10870 | hfc6019 |
| 10647 | hfc5660 | 10703 | hfc5771 | 10759 | hfc5849 | 10815 | hfc5949 | 10871 | hfc6020 |
| 10648 | hfc5661 | 10704 | hfc5772 | 10760 | hfc5850 | 10816 | hfc5950 | 10872 | hfc6021 |
| 10649 | hfc5662 | 10705 | hfc5774 | 10761 | hfc5851 | 10817 | hfc5951 | 10873 | hfc6022 |
| 10650 | hfc5663 | 10706 | hfc5775 | 10762 | hfc5852 | 10818 | hfc5954 | 10874 | hfc6024 |
| 10651 | hfc5668 | 10707 | hfc5776 | 10763 | hfc5853 | 10819 | hfc5956 | 10875 | hfc6026 |
| 10652 | hfc5669 | 10708 | hfc5779 | 10764 | hfc5854 | 10820 | hfc5958 | 10876 | hfc6027 |
| 10653 | hfc5670 | 10709 | hfc5780 | 10765 | hfc5856 | 10821 | hfc5959 | 10877 | hfc6028 |
| 10654 | hfc5671 | 10710 | hfc5781 | 10766 | hfc5858 | 10822 | hfc5961 | 10878 | hfc6029 |
| 10655 | hfc5676 | 10711 | hfc5782 | 10767 | hfc5860 | 10823 | hfc5962 | 10879 | hfc6031 |
| 10656 | hfc5678 | 10712 | hfc5785 | 10768 | hfc5861 | 10824 | hfc5963 | 10880 | hfc6033 |
| 10657 | hfc5679 | 10713 | hfc5786 | 10769 | hfc5862 | 10825 | hfc5964 | 10881 | hfc6035 |
| 10658 | hfc5683 | 10714 | hfc5787 | 10770 | hfc5863 | 10826 | hfc5965 | 10882 | hfc6037 |
| 10659 | hfc5684 | 10715 | hfc5789 | 10771 | hfc5864 | 10827 | hfc5966 | 10883 | hfc6038 |
| 10660 | hfc5686 | 10716 | hfc5790 | 10772 | hfc5865 | 10828 | hfc5967 | 10884 | hfc6039 |
| 10661 | hfc5689 | 10717 | hfc5791 | 10773 | hfc5868 | 10829 | hfc5969 | 10885 | hfc6040 |
| 10662 | hfc5690 | 10718 | hfc5792 | 10774 | hfc5870 | 10830 | hfc5970 | 10886 | hfc6041 |
| 10663 | hfc5691 | 10719 | hfc5794 | 10775 | hfc5871 | 10831 | hfc5971 | 10887 | hfc6042 |
| 10664 | hfc5695 | 10720 | hfc5795 | 10776 | hfc5872 | 10832 | hfc5972 | 10888 | hfc6043 |
| 10665 | hfc5702 | 10721 | hfc5796 | 10777 | hfc5873 | 10833 | hfc5973 | 10889 | hfc6044 |
| 10666 | hfc5704 | 10722 | hfc5797 | 10778 | hfc5874 | 10834 | hfc5974 | 10890 | hfc6045 |
| 10667 | hfc5706 | 10723 | hfc5798 | 10779 | hfc5875 | 10835 | hfc5975 | 10891 | hfc6047 |
| 10668 | hfc5708 | 10724 | hfc5799 | 10780 | hfc5876 | 10836 | hfc5976 | 10892 | hfc6050 |
| 10669 | hfc5709 | 10725 | hfc5800 | 10781 | hfc5878 | 10837 | hfc5977 | 10893 | hfc6052 |
| 10670 | hfc5715 | 10726 | hfc5801 | 10782 | hfc5881 | 10838 | hfc5979 | 10894 | hfc6054 |
| 10671 | hfc5716 | 10727 | hfc5802 | 10783 | hfc5882 | 10839 | hfc5980 | 10895 | hfc6056 |
| 10672 | hfc5717 | 10728 | hfc5803 | 10784 | hfc5883 | 10840 | hfc5981 | 10896 | hfc6057 |
| 10673 | hfc5718 | 10729 | hfc5804 | 10785 | hfc5884 | 10841 | hfc5983 | 10897 | hfc6058 |
| 10674 | hfc5719 | 10730 | hfc5805 | 10786 | hfc5889 | 10842 | hfc5984 | 10898 | hfc6059 |
| 10675 | hfc5720 | 10731 | hfc5807 | 10787 | hfc5890 | 10843 | hfc5985 | 10899 | hfc6060 |
| 10676 | hfc5722 | 10732 | hfc5809 | 10788 | hfc5891 | 10844 | hfc5986 | 10900 | hfc6061 |
| 10677 | hfc5723 | 10733 | hfc5810 | 10789 | hfc5893 | 10845 | hfc5987 | 10901 | hfc6063 |
| 10678 | hfc5724 | 10734 | hfc5811 | 10790 | hfc5894 | 10846 | hfc5988 | 10902 | hfc6064 |
| 10679 | hfc5725 | 10735 | hfc5813 | 10791 | hfc5895 | 10847 | hfc5989 | 10903 | hfc6065 |
| 10680 | hfc5726 | 10736 | hfc5814 | 10792 | hfc5896 | 10848 | hfc5991 | 10904 | hfc6066 |
| 10681 | hfc5729 | 10737 | hfc5815 | 10793 | hfc5897 | 10849 | hfc5992 | 10905 | hfc6067 |
| 10682 | hfc5732 | 10738 | hfc5817 | 10794 | hfc5898 | 10850 | hfc5993 | 10906 | hfc6068 |
| 10683 | hfc5733 | 10739 | hfc5818 | 10795 | hfc5899 | 10851 | hfc5994 | 10907 | hfc6069 |
| 10684 | hfc5735 | 10740 | hfc5820 | 10796 | hfc5900 | 10852 | hfc5995 | 10908 | hfc6070 |
| 10685 | hfc5737 | 10741 | hfc5821 | 10797 | hfc5901 | 10853 | hfc5996 | 10909 | hfc6072 |
| 10686 | hfc5740 | 10742 | hfc5823 | 10798 | hfc5902 | 10854 | hfc5997 | 10910 | hfc6073 |
| 10687 | hfc5741 | 10743 | hfc5825 | 10799 | hfc5903 | 10855 | hfc5998 | 10911 | hfc6080 |
| 10688 | hfc5742 | 10744 | hfc5827 | 10800 | hfc5905 | 10856 | hfc5999 | 10912 | hfc6082 |
| 10689 | hfc5743 | 10745 | hfc5829 | 10801 | hfc5911 | 10857 | hfc6001 | 10913 | hfc6083 |
| 10690 | hfc5744 | 10746 | hfc5831 | 10802 | hfc5912 | 10858 | hfc6003 | 10914 | hfc6084 |
| 10691 | hfc5745 | 10747 | hfc5832 | 10803 | hfc5913 | 10859 | hfc6004 | 10915 | hfc6085 |
| 10692 | hfc5746 | 10748 | hfc5834 | 10804 | hfc5919 | 10860 | hfc6005 | 10916 | hfc6086 |
| 10693 | hfc5747 | 10749 | hfc5835 | 10805 | hfc5920 | 10861 | hfc6006 | 10917 | hfc6087 |
| 10694 | hfc5748 | 10750 | hfc5836 | 10806 | hfc5935 | 10862 | hfc6007 | 10918 | hfc6089 |
| 10695 | hfc5756 | 10751 | hfc5837 | 10807 | hfc5937 | 10863 | hfc6010 | 10919 | hfc6090 |
| 10696 | hfc5757 | 10752 | hfc5839 | 10808 | hfc5938 | 10864 | hfc6011 | 10920 | hfc6091 |

Figure 6B – Continued

| | | | | | | | | | |
|-------|---------|-------|---------|-------|---------|-------|---------|-------|---------|
| 10921 | hfc6092 | 10977 | hfc6195 | 11033 | hfc6291 | 11089 | hfc6367 | 11145 | hfc6457 |
| 10922 | hfc6093 | 10978 | hfc6196 | 11034 | hfc6292 | 11090 | hfc6368 | 11146 | hfc6458 |
| 10923 | hfc6094 | 10979 | hfc6198 | 11035 | hfc6293 | 11091 | hfc6369 | 11147 | hfc6459 |
| 10924 | hfc6095 | 10980 | hfc6199 | 11036 | hfc6296 | 11092 | hfc6370 | 11148 | hfc6460 |
| 10925 | hfc6096 | 10981 | hfc6200 | 11037 | hfc6297 | 11093 | hfc6371 | 11149 | hfc6461 |
| 10926 | hfc6098 | 10982 | hfc6201 | 11038 | hfc6298 | 11094 | hfc6372 | 11150 | hfc6463 |
| 10927 | hfc6099 | 10983 | hfc6202 | 11039 | hfc6300 | 11095 | hfc6373 | 11151 | hfc6464 |
| 10928 | hfc6100 | 10984 | hfc6203 | 11040 | hfc6301 | 11096 | hfc6374 | 11152 | hfc6465 |
| 10929 | hfc6101 | 10985 | hfc6204 | 11041 | hfc6302 | 11097 | hfc6375 | 11153 | hfc6466 |
| 10930 | hfc6102 | 10986 | hfc6205 | 11042 | hfc6304 | 11098 | hfc6376 | 11154 | hfc6467 |
| 10931 | hfc6103 | 10987 | hfc6206 | 11043 | hfc6305 | 11099 | hfc6380 | 11155 | hfc6468 |
| 10932 | hfc6104 | 10988 | hfc6209 | 11044 | hfc6306 | 11100 | hfc6381 | 11156 | hfc6470 |
| 10933 | hfc6105 | 10989 | hfc6210 | 11045 | hfc6307 | 11101 | hfc6382 | 11157 | hfc6471 |
| 10934 | hfc6106 | 10990 | hfc6211 | 11046 | hfc6308 | 11102 | hfc6383 | 11158 | hfc6472 |
| 10935 | hfc6108 | 10991 | hfc6212 | 11047 | hfc6310 | 11103 | hfc6384 | 11159 | hfc6473 |
| 10936 | hfc6110 | 10992 | hfc6213 | 11048 | hfc6311 | 11104 | hfc6388 | 11160 | hfc6474 |
| 10937 | hfc6111 | 10993 | hfc6214 | 11049 | hfc6312 | 11105 | hfc6389 | 11161 | hfc6475 |
| 10938 | hfc6112 | 10994 | hfc6222 | 11050 | hfc6313 | 11106 | hfc6391 | 11162 | hfc6476 |
| 10939 | hfc6113 | 10995 | hfc6223 | 11051 | hfc6315 | 11107 | hfc6392 | 11163 | hfc6479 |
| 10940 | hfc6114 | 10996 | hfc6227 | 11052 | hfc6316 | 11108 | hfc6393 | 11164 | hfc6480 |
| 10941 | hfc6116 | 10997 | hfc6233 | 11053 | hfc6317 | 11109 | hfc6394 | 11165 | hfc6482 |
| 10942 | hfc6117 | 10998 | hfc6235 | 11054 | hfc6318 | 11110 | hfc6395 | 11166 | hfc6484 |
| 10943 | hfc6118 | 10999 | hfc6242 | 11055 | hfc6319 | 11111 | hfc6396 | 11167 | hfc6485 |
| 10944 | hfc6119 | 11000 | hfc6243 | 11056 | hfc6320 | 11112 | hfc6397 | 11168 | hfc6486 |
| 10945 | hfc6120 | 11001 | hfc6244 | 11057 | hfc6322 | 11113 | hfc6400 | 11169 | hfc6487 |
| 10946 | hfc6121 | 11002 | hfc6245 | 11058 | hfc6323 | 11114 | hfc6401 | 11170 | hfc6488 |
| 10947 | hfc6122 | 11003 | hfc6247 | 11059 | hfc6324 | 11115 | hfc6403 | 11171 | hfc6489 |
| 10948 | hfc6123 | 11004 | hfc6248 | 11060 | hfc6325 | 11116 | hfc6404 | 11172 | hfc6490 |
| 10949 | hfc6125 | 11005 | hfc6249 | 11061 | hfc6326 | 11117 | hfc6405 | 11173 | hfc6491 |
| 10950 | hfc6127 | 11006 | hfc6251 | 11062 | hfc6327 | 11118 | hfc6406 | 11174 | hfc6494 |
| 10951 | hfc6129 | 11007 | hfc6252 | 11063 | hfc6328 | 11119 | hfc6407 | 11175 | hfc6495 |
| 10952 | hfc6130 | 11008 | hfc6253 | 11064 | hfc6330 | 11120 | hfc6408 | 11176 | hfc6496 |
| 10953 | hfc6131 | 11009 | hfc6255 | 11065 | hfc6331 | 11121 | hfc6410 | 11177 | hfc6498 |
| 10954 | hfc6132 | 11010 | hfc6256 | 11066 | hfc6333 | 11122 | hfc6411 | 11178 | hfc6500 |
| 10955 | hfc6135 | 11011 | hfc6265 | 11067 | hfc6335 | 11123 | hfc6412 | 11179 | hfc6501 |
| 10956 | hfc6136 | 11012 | hfc6266 | 11068 | hfc6336 | 11124 | hfc6413 | 11180 | hfc6502 |
| 10957 | hfc6137 | 11013 | hfc6267 | 11069 | hfc6338 | 11125 | hfc6414 | 11181 | hfc6503 |
| 10958 | hfc6138 | 11014 | hfc6268 | 11070 | hfc6340 | 11126 | hfc6423 | 11182 | hfc6504 |
| 10959 | hfc6139 | 11015 | hfc6270 | 11071 | hfc6341 | 11127 | hfc6433 | 11183 | hfc6507 |
| 10960 | hfc6141 | 11016 | hfc6271 | 11072 | hfc6342 | 11128 | hfc6434 | 11184 | hfc6508 |
| 10961 | hfc6142 | 11017 | hfc6272 | 11073 | hfc6343 | 11129 | hfc6436 | 11185 | hfc6509 |
| 10962 | hfc6143 | 11018 | hfc6273 | 11074 | hfc6347 | 11130 | hfc6437 | 11186 | hfc6510 |
| 10963 | hfc6144 | 11019 | hfc6274 | 11075 | hfc6348 | 11131 | hfc6438 | 11187 | hfc6511 |
| 10964 | hfc6152 | 11020 | hfc6275 | 11076 | hfc6350 | 11132 | hfc6439 | 11188 | hfc6514 |
| 10965 | hfc6154 | 11021 | hfc6276 | 11077 | hfc6351 | 11133 | hfc6440 | 11189 | hfc6515 |
| 10966 | hfc6164 | 11022 | hfc6279 | 11078 | hfc6352 | 11134 | hfc6442 | 11190 | hfc6516 |
| 10967 | hfc6165 | 11023 | hfc6280 | 11079 | hfc6354 | 11135 | hfc6443 | 11191 | hfc6517 |
| 10968 | hfc6167 | 11024 | hfc6281 | 11080 | hfc6355 | 11136 | hfc6444 | 11192 | hfc6518 |
| 10969 | hfc6168 | 11025 | hfc6282 | 11081 | hfc6356 | 11137 | hfc6445 | 11193 | hfc6519 |
| 10970 | hfc6176 | 11026 | hfc6283 | 11082 | hfc6357 | 11138 | hfc6446 | 11194 | hfc6520 |
| 10971 | hfc6178 | 11027 | hfc6285 | 11083 | hfc6358 | 11139 | hfc6447 | 11195 | hfc6522 |
| 10972 | hfc6183 | 11028 | hfc6286 | 11084 | hfc6361 | 11140 | hfc6448 | 11196 | hfc6524 |
| 10973 | hfc6185 | 11029 | hfc6287 | 11085 | hfc6362 | 11141 | hfc6451 | 11197 | hfc6526 |
| 10974 | hfc6189 | 11030 | hfc6288 | 11086 | hfc6363 | 11142 | hfc6452 | 11198 | hfc6530 |
| 10975 | hfc6192 | 11031 | hfc6289 | 11087 | hfc6364 | 11143 | hfc6454 | 11199 | hfc6531 |
| 10976 | hfc6193 | 11032 | hfc6290 | 11088 | hfc6366 | 11144 | hfc6456 | 11200 | hfc6532 |

Figure 6B – Continued

| | | | | | | | | | |
|-------|---------|-------|---------|-------|---------|-------|---------|-------|---------|
| 11201 | hfc6533 | 11257 | hfc6608 | 11313 | hfc6676 | 11369 | hfc6741 | 11425 | hfc6814 |
| 11202 | hfc6534 | 11258 | hfc6609 | 11314 | hfc6677 | 11370 | hfc6745 | 11426 | hfc6815 |
| 11203 | hfc6536 | 11259 | hfc6610 | 11315 | hfc6678 | 11371 | hfc6746 | 11427 | hfc6817 |
| 11204 | hfc6537 | 11260 | hfc6611 | 11316 | hfc6679 | 11372 | hfc6747 | 11428 | hfc6818 |
| 11205 | hfc6539 | 11261 | hfc6613 | 11317 | hfc6680 | 11373 | hfc6748 | 11429 | hfc6819 |
| 11206 | hfc6540 | 11262 | hfc6614 | 11318 | hfc6681 | 11374 | hfc6749 | 11430 | hfc6820 |
| 11207 | hfc6541 | 11263 | hfc6616 | 11319 | hfc6682 | 11375 | hfc6752 | 11431 | hfc6821 |
| 11208 | hfc6542 | 11264 | hfc6619 | 11320 | hfc6683 | 11376 | hfc6753 | 11432 | hfc6823 |
| 11209 | hfc6543 | 11265 | hfc6620 | 11321 | hfc6684 | 11377 | hfc6756 | 11433 | hfc6824 |
| 11210 | hfc6546 | 11266 | hfc6621 | 11322 | hfc6685 | 11378 | hfc6757 | 11434 | hfc6825 |
| 11211 | hfc6548 | 11267 | hfc6622 | 11323 | hfc6686 | 11379 | hfc6759 | 11435 | hfc6828 |
| 11212 | hfc6550 | 11268 | hfc6623 | 11324 | hfc6687 | 11380 | hfc6760 | 11436 | hfc6829 |
| 11213 | hfc6552 | 11269 | hfc6624 | 11325 | hfc6688 | 11381 | hfc6761 | 11437 | hfc6830 |
| 11214 | hfc6553 | 11270 | hfc6626 | 11326 | hfc6689 | 11382 | hfc6762 | 11438 | hfc6831 |
| 11215 | hfc6554 | 11271 | hfc6627 | 11327 | hfc6690 | 11383 | hfc6763 | 11439 | hfc6833 |
| 11216 | hfc6555 | 11272 | hfc6628 | 11328 | hfc6691 | 11384 | hfc6765 | 11440 | hfc6835 |
| 11217 | hfc6557 | 11273 | hfc6630 | 11329 | hfc6692 | 11385 | hfc6766 | 11441 | hfc6837 |
| 11218 | hfc6558 | 11274 | hfc6631 | 11330 | hfc6693 | 11386 | hfc6767 | 11442 | hfc6840 |
| 11219 | hfc6559 | 11275 | hfc6632 | 11331 | hfc6694 | 11387 | hfc6768 | 11443 | hfc6841 |
| 11220 | hfc6560 | 11276 | hfc6634 | 11332 | hfc6695 | 11388 | hfc6769 | 11444 | hfc6842 |
| 11221 | hfc6561 | 11277 | hfc6635 | 11333 | hfc6696 | 11389 | hfc6770 | 11445 | hfc6843 |
| 11222 | hfc6562 | 11278 | hfc6636 | 11334 | hfc6697 | 11390 | hfc6771 | 11446 | hfc6844 |
| 11223 | hfc6563 | 11279 | hfc6637 | 11335 | hfc6698 | 11391 | hfc6772 | 11447 | hfc6846 |
| 11224 | hfc6566 | 11280 | hfc6638 | 11336 | hfc6699 | 11392 | hfc6773 | 11448 | hfc6847 |
| 11225 | hfc6567 | 11281 | hfc6639 | 11337 | hfc6700 | 11393 | hfc6774 | 11449 | hfc6848 |
| 11226 | hfc6568 | 11282 | hfc6640 | 11338 | hfc6701 | 11394 | hfc6775 | 11450 | hfc6849 |
| 11227 | hfc6569 | 11283 | hfc6641 | 11339 | hfc6702 | 11395 | hfc6778 | 11451 | hfc6850 |
| 11228 | hfc6570 | 11284 | hfc6642 | 11340 | hfc6703 | 11396 | hfc6779 | 11452 | hfc6851 |
| 11229 | hfc6571 | 11285 | hfc6643 | 11341 | hfc6704 | 11397 | hfc6780 | 11453 | hfc6853 |
| 11230 | hfc6572 | 11286 | hfc6645 | 11342 | hfc6705 | 11398 | hfc6781 | 11454 | hfc6855 |
| 11231 | hfc6573 | 11287 | hfc6646 | 11343 | hfc6706 | 11399 | hfc6782 | 11455 | hfc6856 |
| 11232 | hfc6574 | 11288 | hfc6647 | 11344 | hfc6707 | 11400 | hfc6783 | 11456 | hfc6857 |
| 11233 | hfc6576 | 11289 | hfc6648 | 11345 | hfc6708 | 11401 | hfc6784 | 11457 | hfc6858 |
| 11234 | hfc6577 | 11290 | hfc6649 | 11346 | hfc6710 | 11402 | hfc6785 | 11458 | hfc6860 |
| 11235 | hfc6578 | 11291 | hfc6650 | 11347 | hfc6712 | 11403 | hfc6786 | 11459 | hfc6861 |
| 11236 | hfc6579 | 11292 | hfc6651 | 11348 | hfc6713 | 11404 | hfc6787 | 11460 | hfc6862 |
| 11237 | hfc6580 | 11293 | hfc6652 | 11349 | hfc6715 | 11405 | hfc6788 | 11461 | hfc6863 |
| 11238 | hfc6581 | 11294 | hfc6653 | 11350 | hfc6716 | 11406 | hfc6789 | 11462 | hfc6864 |
| 11239 | hfc6582 | 11295 | hfc6655 | 11351 | hfc6719 | 11407 | hfc6790 | 11463 | hfc6865 |
| 11240 | hfc6585 | 11296 | hfc6656 | 11352 | hfc6720 | 11408 | hfc6791 | 11464 | hfc6866 |
| 11241 | hfc6586 | 11297 | hfc6657 | 11353 | hfc6721 | 11409 | hfc6792 | 11465 | hfc6867 |
| 11242 | hfc6587 | 11298 | hfc6658 | 11354 | hfc6722 | 11410 | hfc6793 | 11466 | hfc6869 |
| 11243 | hfc6588 | 11299 | hfc6659 | 11355 | hfc6723 | 11411 | hfc6795 | 11467 | hfc6870 |
| 11244 | hfc6590 | 11300 | hfc6660 | 11356 | hfc6724 | 11412 | hfc6796 | 11468 | hfc6871 |
| 11245 | hfc6591 | 11301 | hfc6662 | 11357 | hfc6725 | 11413 | hfc6797 | 11469 | hfc6872 |
| 11246 | hfc6592 | 11302 | hfc6663 | 11358 | hfc6726 | 11414 | hfc6798 | 11470 | hfc6873 |
| 11247 | hfc6593 | 11303 | hfc6664 | 11359 | hfc6727 | 11415 | hfc6802 | 11471 | hfc6874 |
| 11248 | hfc6594 | 11304 | hfc6665 | 11360 | hfc6728 | 11416 | hfc6803 | 11472 | hfc6876 |
| 11249 | hfc6595 | 11305 | hfc6666 | 11361 | hfc6729 | 11417 | hfc6804 | 11473 | hfc6877 |
| 11250 | hfc6597 | 11306 | hfc6667 | 11362 | hfc6730 | 11418 | hfc6805 | 11474 | hfc6878 |
| 11251 | hfc6598 | 11307 | hfc6668 | 11363 | hfc6732 | 11419 | hfc6806 | 11475 | hfc6879 |
| 11252 | hfc6600 | 11308 | hfc6670 | 11364 | hfc6733 | 11420 | hfc6807 | 11476 | hfc6880 |
| 11253 | hfc6602 | 11309 | hfc6671 | 11365 | hfc6734 | 11421 | hfc6808 | 11477 | hfc6881 |
| 11254 | hfc6603 | 11310 | hfc6673 | 11366 | hfc6736 | 11422 | hfc6810 | 11478 | hfc6882 |
| 11255 | hfc6604 | 11311 | hfc6674 | 11367 | hfc6737 | 11423 | hfc6812 | 11479 | hfc6883 |
| 11256 | hfc6606 | 11312 | hfc6675 | 11368 | hfc6740 | 11424 | hfc6813 | 11480 | hfc6884 |

Figure 6B – Continued

| | | | | | | | | | |
|-------|---------|-------|---------|-------|---------|-------|---------|-------|---------|
| 11481 | hfc6886 | 11537 | hfc6956 | 11593 | hfc7042 | 11649 | hfc7136 | 11705 | hfc7304 |
| 11482 | hfc6887 | 11538 | hfc6958 | 11594 | hfc7043 | 11650 | hfc7137 | 11706 | hfc7306 |
| 11483 | hfc6888 | 11539 | hfc6960 | 11595 | hfc7045 | 11651 | hfc7139 | 11707 | hfc7307 |
| 11484 | hfc6889 | 11540 | hfc6961 | 11596 | hfc7046 | 11652 | hfc7140 | 11708 | hfc7308 |
| 11485 | hfc6891 | 11541 | hfc6965 | 11597 | hfc7047 | 11653 | hfc7142 | 11709 | hfc7312 |
| 11486 | hfc6892 | 11542 | hfc6966 | 11598 | hfc7048 | 11654 | hfc7144 | 11710 | hfc7317 |
| 11487 | hfc6893 | 11543 | hfc6968 | 11599 | hfc7050 | 11655 | hfc7146 | 11711 | hfc7318 |
| 11488 | hfc6894 | 11544 | hfc6969 | 11600 | hfc7051 | 11656 | hfc7151 | 11712 | hfc7319 |
| 11489 | hfc6895 | 11545 | hfc6970 | 11601 | hfc7052 | 11657 | hfc7152 | 11713 | hfc7320 |
| 11490 | hfc6896 | 11546 | hfc6971 | 11602 | hfc7054 | 11658 | hfc7156 | 11714 | hfc7321 |
| 11491 | hfc6897 | 11547 | hfc6972 | 11603 | hfc7056 | 11659 | hfc7158 | 11715 | hfc7323 |
| 11492 | hfc6898 | 11548 | hfc6975 | 11604 | hfc7057 | 11660 | hfc7160 | 11716 | hfc7324 |
| 11493 | hfc6900 | 11549 | hfc6976 | 11605 | hfc7058 | 11661 | hfc7162 | 11717 | hfc7325 |
| 11494 | hfc6901 | 11550 | hfc6981 | 11606 | hfc7059 | 11662 | hfc7168 | 11718 | hfc7336 |
| 11495 | hfc6902 | 11551 | hfc6982 | 11607 | hfc7060 | 11663 | hfc7173 | 11719 | hfc7340 |
| 11496 | hfc6903 | 11552 | hfc6985 | 11608 | hfc7061 | 11664 | hfc7176 | 11720 | hfc7341 |
| 11497 | hfc6904 | 11553 | hfc6986 | 11609 | hfc7062 | 11665 | hfc7177 | 11721 | hfc7342 |
| 11498 | hfc6905 | 11554 | hfc6988 | 11610 | hfc7063 | 11666 | hfc7183 | 11722 | hfc7345 |
| 11499 | hfc6906 | 11555 | hfc6992 | 11611 | hfc7065 | 11667 | hfc7189 | 11723 | hfc7346 |
| 11500 | hfc6907 | 11556 | hfc6993 | 11612 | hfc7066 | 11668 | hfc7190 | 11724 | hfc7348 |
| 11501 | hfc6911 | 11557 | hfc6994 | 11613 | hfc7068 | 11669 | hfc7194 | 11725 | hfc7350 |
| 11502 | hfc6912 | 11558 | hfc6996 | 11614 | hfc7069 | 11670 | hfc7199 | 11726 | hfc7351 |
| 11503 | hfc6913 | 11559 | hfc6997 | 11615 | hfc7070 | 11671 | hfc7208 | 11727 | hfc7352 |
| 11504 | hfc6914 | 11560 | hfc6998 | 11616 | hfc7073 | 11672 | hfc7215 | 11728 | hfc7353 |
| 11505 | hfc6915 | 11561 | hfc6999 | 11617 | hfc7074 | 11673 | hfc7218 | 11729 | hfc7355 |
| 11506 | hfc6916 | 11562 | hfc7001 | 11618 | hfc7075 | 11674 | hfc7221 | 11730 | hfc7356 |
| 11507 | hfc6917 | 11563 | hfc7003 | 11619 | hfc7076 | 11675 | hfc7223 | 11731 | hfc7357 |
| 11508 | hfc6918 | 11564 | hfc7004 | 11620 | hfc7077 | 11676 | hfc7224 | 11732 | hfc7359 |
| 11509 | hfc6919 | 11565 | hfc7007 | 11621 | hfc7078 | 11677 | hfc7226 | 11733 | hfc7360 |
| 11510 | hfc6920 | 11566 | hfc7008 | 11622 | hfc7079 | 11678 | hfc7227 | 11734 | hfc7361 |
| 11511 | hfc6921 | 11567 | hfc7009 | 11623 | hfc7081 | 11679 | hfc7231 | 11735 | hfc7362 |
| 11512 | hfc6922 | 11568 | hfc7010 | 11624 | hfc7082 | 11680 | hfc7232 | 11736 | hfc7363 |
| 11513 | hfc6923 | 11569 | hfc7011 | 11625 | hfc7084 | 11681 | hfc7233 | 11737 | hfc7364 |
| 11514 | hfc6924 | 11570 | hfc7012 | 11626 | hfc7087 | 11682 | hfc7234 | 11738 | hfc7365 |
| 11515 | hfc6925 | 11571 | hfc7013 | 11627 | hfc7088 | 11683 | hfc7239 | 11739 | hfc7366 |
| 11516 | hfc6926 | 11572 | hfc7014 | 11628 | hfc7090 | 11684 | hfc7244 | 11740 | hfc7369 |
| 11517 | hfc6927 | 11573 | hfc7015 | 11629 | hfc7091 | 11685 | hfc7245 | 11741 | hfc7370 |
| 11518 | hfc6929 | 11574 | hfc7016 | 11630 | hfc7092 | 11686 | hfc7250 | 11742 | hfc7372 |
| 11519 | hfc6930 | 11575 | hfc7017 | 11631 | hfc7093 | 11687 | hfc7264 | 11743 | hfc7373 |
| 11520 | hfc6931 | 11576 | hfc7018 | 11632 | hfc7095 | 11688 | hfc7266 | 11744 | hfc7374 |
| 11521 | hfc6932 | 11577 | hfc7019 | 11633 | hfc7096 | 11689 | hfc7270 | 11745 | hfc7375 |
| 11522 | hfc6934 | 11578 | hfc7020 | 11634 | hfc7097 | 11690 | hfc7271 | 11746 | hfc7376 |
| 11523 | hfc6935 | 11579 | hfc7022 | 11635 | hfc7098 | 11691 | hfc7272 | 11747 | hfc7378 |
| 11524 | hfc6936 | 11580 | hfc7025 | 11636 | hfc7099 | 11692 | hfc7274 | 11748 | hfc7380 |
| 11525 | hfc6937 | 11581 | hfc7026 | 11637 | hfc7100 | 11693 | hfc7277 | 11749 | hfc7381 |
| 11526 | hfc6938 | 11582 | hfc7027 | 11638 | hfc7101 | 11694 | hfc7278 | 11750 | hfc7382 |
| 11527 | hfc6941 | 11583 | hfc7031 | 11639 | hfc7102 | 11695 | hfc7279 | 11751 | hfc7387 |
| 11528 | hfc6942 | 11584 | hfc7032 | 11640 | hfc7103 | 11696 | hfc7280 | 11752 | hfc7388 |
| 11529 | hfc6943 | 11585 | hfc7033 | 11641 | hfc7105 | 11697 | hfc7281 | 11753 | hfc7390 |
| 11530 | hfc6945 | 11586 | hfc7034 | 11642 | hfc7111 | 11698 | hfc7283 | 11754 | hfc7392 |
| 11531 | hfc6947 | 11587 | hfc7035 | 11643 | hfc7113 | 11699 | hfc7287 | 11755 | hfc7393 |
| 11532 | hfc6950 | 11588 | hfc7036 | 11644 | hfc7115 | 11700 | hfc7288 | 11756 | hfc7394 |
| 11533 | hfc6951 | 11589 | hfc7038 | 11645 | hfc7120 | 11701 | hfc7290 | 11757 | hfc7395 |
| 11534 | hfc6952 | 11590 | hfc7039 | 11646 | hfc7123 | 11702 | hfc7294 | 11758 | hfc7396 |
| 11535 | hfc6954 | 11591 | hfc7040 | 11647 | hfc7132 | 11703 | hfc7295 | 11759 | hfc7397 |
| 11536 | hfc6955 | 11592 | hfc7041 | 11648 | hfc7133 | 11704 | hfc7300 | 11760 | hfc7398 |

Figure 6B – Continued

| | | | | | | | | | |
|-------|---------|-------|---------|-------|---------|-------|---------|-------|---------|
| 11761 | hfc7399 | 11817 | hfc7481 | 11873 | hfc7551 | 11929 | hfc7623 | 11985 | hfc7698 |
| 11762 | hfc7400 | 11818 | hfc7482 | 11874 | hfc7553 | 11930 | hfc7624 | 11986 | hfc7699 |
| 11763 | hfc7401 | 11819 | hfc7484 | 11875 | hfc7554 | 11931 | hfc7625 | 11987 | hfc7701 |
| 11764 | hfc7402 | 11820 | hfc7485 | 11876 | hfc7555 | 11932 | hfc7626 | 11988 | hfc7702 |
| 11765 | hfc7404 | 11821 | hfc7487 | 11877 | hfc7557 | 11933 | hfc7627 | 11989 | hfc7704 |
| 11766 | hfc7406 | 11822 | hfc7489 | 11878 | hfc7558 | 11934 | hfc7628 | 11990 | hfc7706 |
| 11767 | hfc7407 | 11823 | hfc7490 | 11879 | hfc7559 | 11935 | hfc7629 | 11991 | hfc7707 |
| 11768 | hfc7408 | 11824 | hfc7491 | 11880 | hfc7560 | 11936 | hfc7631 | 11992 | hfc7708 |
| 11769 | hfc7409 | 11825 | hfc7492 | 11881 | hfc7561 | 11937 | hfc7632 | 11993 | hfc7709 |
| 11770 | hfc7410 | 11826 | hfc7493 | 11882 | hfc7562 | 11938 | hfc7635 | 11994 | hfc7710 |
| 11771 | hfc7411 | 11827 | hfc7494 | 11883 | hfc7563 | 11939 | hfc7636 | 11995 | hfc7711 |
| 11772 | hfc7412 | 11828 | hfc7495 | 11884 | hfc7564 | 11940 | hfc7637 | 11996 | hfc7712 |
| 11773 | hfc7414 | 11829 | hfc7496 | 11885 | hfc7565 | 11941 | hfc7639 | 11997 | hfc7713 |
| 11774 | hfc7415 | 11830 | hfc7498 | 11886 | hfc7569 | 11942 | hfc7641 | 11998 | hfc7715 |
| 11775 | hfc7416 | 11831 | hfc7499 | 11887 | hfc7570 | 11943 | hfc7642 | 11999 | hfc7716 |
| 11776 | hfc7417 | 11832 | hfc7500 | 11888 | hfc7571 | 11944 | hfc7643 | 12000 | hfc7717 |
| 11777 | hfc7418 | 11833 | hfc7501 | 11889 | hfc7574 | 11945 | hfc7644 | 12001 | hfc7721 |
| 11778 | hfc7419 | 11834 | hfc7503 | 11890 | hfc7575 | 11946 | hfc7645 | 12002 | hfc7722 |
| 11779 | hfc7421 | 11835 | hfc7504 | 11891 | hfc7576 | 11947 | hfc7647 | 12003 | hfc7725 |
| 11780 | hfc7422 | 11836 | hfc7505 | 11892 | hfc7577 | 11948 | hfc7648 | 12004 | hfc7726 |
| 11781 | hfc7423 | 11837 | hfc7506 | 11893 | hfc7578 | 11949 | hfc7649 | 12005 | hfc7731 |
| 11782 | hfc7424 | 11838 | hfc7507 | 11894 | hfc7580 | 11950 | hfc7650 | 12006 | hfc7733 |
| 11783 | hfc7425 | 11839 | hfc7508 | 11895 | hfc7581 | 11951 | hfc7651 | 12007 | hfc7735 |
| 11784 | hfc7426 | 11840 | hfc7509 | 11896 | hfc7582 | 11952 | hfc7652 | 12008 | hfc7737 |
| 11785 | hfc7427 | 11841 | hfc7510 | 11897 | hfc7583 | 11953 | hfc7654 | 12009 | hfc7738 |
| 11786 | hfc7428 | 11842 | hfc7511 | 11898 | hfc7584 | 11954 | hfc7655 | 12010 | hfc7739 |
| 11787 | hfc7430 | 11843 | hfc7512 | 11899 | hfc7585 | 11955 | hfc7656 | 12011 | hfc7746 |
| 11788 | hfc7432 | 11844 | hfc7513 | 11900 | hfc7586 | 11956 | hfc7657 | 12012 | hfc7747 |
| 11789 | hfc7434 | 11845 | hfc7514 | 11901 | hfc7587 | 11957 | hfc7658 | 12013 | hfc7749 |
| 11790 | hfc7436 | 11846 | hfc7515 | 11902 | hfc7588 | 11958 | hfc7659 | 12014 | hfc7753 |
| 11791 | hfc7437 | 11847 | hfc7518 | 11903 | hfc7590 | 11959 | hfc7660 | 12015 | hfc7755 |
| 11792 | hfc7438 | 11848 | hfc7519 | 11904 | hfc7591 | 11960 | hfc7663 | 12016 | hfc7756 |
| 11793 | hfc7439 | 11849 | hfc7520 | 11905 | hfc7592 | 11961 | hfc7665 | 12017 | hfc7761 |
| 11794 | hfc7440 | 11850 | hfc7521 | 11906 | hfc7594 | 11962 | hfc7666 | 12018 | hfc7762 |
| 11795 | hfc7444 | 11851 | hfc7522 | 11907 | hfc7595 | 11963 | hfc7667 | 12019 | hfc7763 |
| 11796 | hfc7445 | 11852 | hfc7525 | 11908 | hfc7596 | 11964 | hfc7668 | 12020 | hfc7766 |
| 11797 | hfc7446 | 11853 | hfc7527 | 11909 | hfc7597 | 11965 | hfc7669 | 12021 | hfc7769 |
| 11798 | hfc7448 | 11854 | hfc7529 | 11910 | hfc7601 | 11966 | hfc7670 | 12022 | hfc7770 |
| 11799 | hfc7449 | 11855 | hfc7530 | 11911 | hfc7602 | 11967 | hfc7671 | 12023 | hfc7771 |
| 11800 | hfc7450 | 11856 | hfc7531 | 11912 | hfc7603 | 11968 | hfc7672 | 12024 | hfc7772 |
| 11801 | hfc7452 | 11857 | hfc7532 | 11913 | hfc7605 | 11969 | hfc7673 | 12025 | hfc7773 |
| 11802 | hfc7453 | 11858 | hfc7533 | 11914 | hfc7606 | 11970 | hfc7674 | 12026 | hfc7775 |
| 11803 | hfc7454 | 11859 | hfc7534 | 11915 | hfc7607 | 11971 | hfc7675 | 12027 | hfc7778 |
| 11804 | hfc7455 | 11860 | hfc7537 | 11916 | hfc7608 | 11972 | hfc7676 | 12028 | hfc7779 |
| 11805 | hfc7459 | 11861 | hfc7538 | 11917 | hfc7609 | 11973 | hfc7677 | 12029 | hfc7780 |
| 11806 | hfc7461 | 11862 | hfc7539 | 11918 | hfc7610 | 11974 | hfc7679 | 12030 | hfc7782 |
| 11807 | hfc7462 | 11863 | hfc7541 | 11919 | hfc7611 | 11975 | hfc7680 | 12031 | hfc7783 |
| 11808 | hfc7464 | 11864 | hfc7542 | 11920 | hfc7612 | 11976 | hfc7683 | 12032 | hfc7784 |
| 11809 | hfc7465 | 11865 | hfc7543 | 11921 | hfc7614 | 11977 | hfc7686 | 12033 | hfc7785 |
| 11810 | hfc7467 | 11866 | hfc7544 | 11922 | hfc7616 | 11978 | hfc7687 | 12034 | hfc7786 |
| 11811 | hfc7469 | 11867 | hfc7545 | 11923 | hfc7617 | 11979 | hfc7688 | 12035 | hfc7787 |
| 11812 | hfc7472 | 11868 | hfc7546 | 11924 | hfc7618 | 11980 | hfc7690 | 12036 | hfc7788 |
| 11813 | hfc7473 | 11869 | hfc7547 | 11925 | hfc7619 | 11981 | hfc7691 | 12037 | hfc7789 |
| 11814 | hfc7474 | 11870 | hfc7548 | 11926 | hfc7620 | 11982 | hfc7692 | 12038 | hfc7790 |
| 11815 | hfc7477 | 11871 | hfc7549 | 11927 | hfc7621 | 11983 | hfc7693 | 12039 | hfc7791 |
| 11816 | hfc7480 | 11872 | hfc7550 | 11928 | hfc7622 | 11984 | hfc7695 | 12040 | hfc7792 |

Figure 6B - Continued

| | | | | | | | | | |
|-------|---------|-------|---------|-------|---------|-------|---------|-------|---------|
| 12041 | hfc7793 | 12097 | hfc7864 | 12153 | hfc7988 | 12209 | hfc8210 | 12265 | hfc8389 |
| 12042 | hfc7794 | 12098 | hfc7865 | 12154 | hfc7989 | 12210 | hfc8212 | 12266 | hfc8390 |
| 12043 | hfc7795 | 12099 | hfc7866 | 12155 | hfc7990 | 12211 | hfc8219 | 12267 | hfc8391 |
| 12044 | hfc7796 | 12100 | hfc7867 | 12156 | hfc7993 | 12212 | hfc8222 | 12268 | hfc8393 |
| 12045 | hfc7797 | 12101 | hfc7868 | 12157 | hfc7997 | 12213 | hfc8226 | 12269 | hfc8394 |
| 12046 | hfc7799 | 12102 | hfc7869 | 12158 | hfc7998 | 12214 | hfc8227 | 12270 | hfc8395 |
| 12047 | hfc7800 | 12103 | hfc7870 | 12159 | hfc7999 | 12215 | hfc8228 | 12271 | hfc8397 |
| 12048 | hfc7802 | 12104 | hfc7871 | 12160 | hfc8001 | 12216 | hfc8231 | 12272 | hfc8398 |
| 12049 | hfc7803 | 12105 | hfc7872 | 12161 | hfc8002 | 12217 | hfc8234 | 12273 | hfc8399 |
| 12050 | hfc7804 | 12106 | hfc7874 | 12162 | hfc8003 | 12218 | hfc8235 | 12274 | hfc8401 |
| 12051 | hfc7805 | 12107 | hfc7882 | 12163 | hfc8004 | 12219 | hfc8237 | 12275 | hfc8402 |
| 12052 | hfc7806 | 12108 | hfc7886 | 12164 | hfc8005 | 12220 | hfc8238 | 12276 | hfc8403 |
| 12053 | hfc7807 | 12109 | hfc7893 | 12165 | hfc8006 | 12221 | hfc8249 | 12277 | hfc8404 |
| 12054 | hfc7808 | 12110 | hfc7895 | 12166 | hfc8007 | 12222 | hfc8252 | 12278 | hfc8405 |
| 12055 | hfc7809 | 12111 | hfc7932 | 12167 | hfc8010 | 12223 | hfc8254 | 12279 | hfc8406 |
| 12056 | hfc7812 | 12112 | hfc7933 | 12168 | hfc8011 | 12224 | hfc8259 | 12280 | hfc8407 |
| 12057 | hfc7815 | 12113 | hfc7936 | 12169 | hfc8012 | 12225 | hfc8261 | 12281 | hfc8409 |
| 12058 | hfc7817 | 12114 | hfc7937 | 12170 | hfc8015 | 12226 | hfc8268 | 12282 | hfc8410 |
| 12059 | hfc7819 | 12115 | hfc7938 | 12171 | hfc8016 | 12227 | hfc8273 | 12283 | hfc8411 |
| 12060 | hfc7820 | 12116 | hfc7940 | 12172 | hfc8018 | 12228 | hfc8275 | 12284 | hfc8412 |
| 12061 | hfc7821 | 12117 | hfc7941 | 12173 | hfc8019 | 12229 | hfc8277 | 12285 | hfc8413 |
| 12062 | hfc7823 | 12118 | hfc7942 | 12174 | hfc8024 | 12230 | hfc8278 | 12286 | hfc8414 |
| 12063 | hfc7824 | 12119 | hfc7943 | 12175 | hfc8025 | 12231 | hfc8279 | 12287 | hfc8415 |
| 12064 | hfc7825 | 12120 | hfc7945 | 12176 | hfc8026 | 12232 | hfc8280 | 12288 | hfc8416 |
| 12065 | hfc7827 | 12121 | hfc7946 | 12177 | hfc8028 | 12233 | hfc8281 | 12289 | hfc8417 |
| 12066 | hfc7828 | 12122 | hfc7948 | 12178 | hfc8029 | 12234 | hfc8283 | 12290 | hfc8418 |
| 12067 | hfc7829 | 12123 | hfc7949 | 12179 | hfc8030 | 12235 | hfc8284 | 12291 | hfc8419 |
| 12068 | hfc7830 | 12124 | hfc7950 | 12180 | hfc8032 | 12236 | hfc8285 | 12292 | hfc8420 |
| 12069 | hfc7831 | 12125 | hfc7953 | 12181 | hfc8033 | 12237 | hfc8286 | 12293 | hfc8421 |
| 12070 | hfc7833 | 12126 | hfc7954 | 12182 | hfc8035 | 12238 | hfc8354 | 12294 | hfc8422 |
| 12071 | hfc7834 | 12127 | hfc7955 | 12183 | hfc8036 | 12239 | hfc8355 | 12295 | hfc8423 |
| 12072 | hfc7835 | 12128 | hfc7956 | 12184 | hfc8038 | 12240 | hfc8356 | 12296 | hfc8424 |
| 12073 | hfc7836 | 12129 | hfc7957 | 12185 | hfc8039 | 12241 | hfc8358 | 12297 | hfc8427 |
| 12074 | hfc7838 | 12130 | hfc7958 | 12186 | hfc8040 | 12242 | hfc8359 | 12298 | hfc8428 |
| 12075 | hfc7839 | 12131 | hfc7959 | 12187 | hfc8044 | 12243 | hfc8360 | 12299 | hfc8429 |
| 12076 | hfc7840 | 12132 | hfc7961 | 12188 | hfc8045 | 12244 | hfc8361 | 12300 | hfc8430 |
| 12077 | hfc7841 | 12133 | hfc7962 | 12189 | hfc8046 | 12245 | hfc8362 | 12301 | hfc8431 |
| 12078 | hfc7842 | 12134 | hfc7963 | 12190 | hfc8048 | 12246 | hfc8364 | 12302 | hfc8432 |
| 12079 | hfc7843 | 12135 | hfc7964 | 12191 | hfc8051 | 12247 | hfc8365 | 12303 | hfc8433 |
| 12080 | hfc7844 | 12136 | hfc7965 | 12192 | hfc8052 | 12248 | hfc8368 | 12304 | hfc8434 |
| 12081 | hfc7845 | 12137 | hfc7966 | 12193 | hfc8053 | 12249 | hfc8369 | 12305 | hfc8438 |
| 12082 | hfc7846 | 12138 | hfc7967 | 12194 | hfc8054 | 12250 | hfc8370 | 12306 | hfc8439 |
| 12083 | hfc7847 | 12139 | hfc7968 | 12195 | hfc8057 | 12251 | hfc8371 | 12307 | hfc8440 |
| 12084 | hfc7848 | 12140 | hfc7969 | 12196 | hfc8058 | 12252 | hfc8372 | 12308 | hfc8441 |
| 12085 | hfc7849 | 12141 | hfc7971 | 12197 | hfc8064 | 12253 | hfc8373 | 12309 | hfc8442 |
| 12086 | hfc7850 | 12142 | hfc7974 | 12198 | hfc8161 | 12254 | hfc8374 | 12310 | hfc8444 |
| 12087 | hfc7851 | 12143 | hfc7977 | 12199 | hfc8163 | 12255 | hfc8377 | 12311 | hfc8446 |
| 12088 | hfc7852 | 12144 | hfc7979 | 12200 | hfc8166 | 12256 | hfc8378 | 12312 | hfc8448 |
| 12089 | hfc7853 | 12145 | hfc7980 | 12201 | hfc8174 | 12257 | hfc8379 | 12313 | hfc8450 |
| 12090 | hfc7854 | 12146 | hfc7981 | 12202 | hfc8180 | 12258 | hfc8381 | 12314 | hfc8451 |
| 12091 | hfc7855 | 12147 | hfc7982 | 12203 | hfc8184 | 12259 | hfc8382 | 12315 | hfc8452 |
| 12092 | hfc7856 | 12148 | hfc7983 | 12204 | hfc8189 | 12260 | hfc8383 | 12316 | hfc8454 |
| 12093 | hfc7857 | 12149 | hfc7984 | 12205 | hfc8190 | 12261 | hfc8384 | 12317 | hfc8455 |
| 12094 | hfc7858 | 12150 | hfc7985 | 12206 | hfc8199 | 12262 | hfc8385 | 12318 | hfc8456 |
| 12095 | hfc7860 | 12151 | hfc7986 | 12207 | hfc8202 | 12263 | hfc8386 | 12319 | hfc8458 |
| 12096 | hfc7863 | 12152 | hfc7987 | 12208 | hfc8206 | 12264 | hfc8387 | 12320 | hfc8459 |

Figure 6B – Continued

| | | | | | | | | | |
|-------|---------|-------|---------|-------|---------|-------|---------|-------|---------|
| 12321 | hfc8460 | 12377 | hfc8532 | 12433 | hfc8639 | 12489 | hfc8751 | 12545 | hfc8859 |
| 12322 | hfc8463 | 12378 | hfc8533 | 12434 | hfc8640 | 12490 | hfc8752 | 12546 | hfc8860 |
| 12323 | hfc8464 | 12379 | hfc8534 | 12435 | hfc8641 | 12491 | hfc8754 | 12547 | hfc8861 |
| 12324 | hfc8465 | 12380 | hfc8536 | 12436 | hfc8642 | 12492 | hfc8755 | 12548 | hfc8862 |
| 12325 | hfc8466 | 12381 | hfc8537 | 12437 | hfc8643 | 12493 | hfc8757 | 12549 | hfc8864 |
| 12326 | hfc8467 | 12382 | hfc8538 | 12438 | hfc8646 | 12494 | hfc8758 | 12550 | hfc8867 |
| 12327 | hfc8468 | 12383 | hfc8540 | 12439 | hfc8647 | 12495 | hfc8759 | 12551 | hfc8872 |
| 12328 | hfc8469 | 12384 | hfc8541 | 12440 | hfc8648 | 12496 | hfc8760 | 12552 | hfc8874 |
| 12329 | hfc8472 | 12385 | hfc8542 | 12441 | hfc8649 | 12497 | hfc8761 | 12553 | hfc8875 |
| 12330 | hfc8474 | 12386 | hfc8546 | 12442 | hfc8655 | 12498 | hfc8762 | 12554 | hfc8876 |
| 12331 | hfc8475 | 12387 | hfc8551 | 12443 | hfc8656 | 12499 | hfc8765 | 12555 | hfc8877 |
| 12332 | hfc8477 | 12388 | hfc8554 | 12444 | hfc8657 | 12500 | hfc8766 | 12556 | hfc8878 |
| 12333 | hfc8478 | 12389 | hfc8557 | 12445 | hfc8658 | 12501 | hfc8767 | 12557 | hfc8879 |
| 12334 | hfc8479 | 12390 | hfc8559 | 12446 | hfc8659 | 12502 | hfc8770 | 12558 | hfc8880 |
| 12335 | hfc8481 | 12391 | hfc8561 | 12447 | hfc8662 | 12503 | hfc8772 | 12559 | hfc8881 |
| 12336 | hfc8482 | 12392 | hfc8562 | 12448 | hfc8663 | 12504 | hfc8774 | 12560 | hfc8882 |
| 12337 | hfc8483 | 12393 | hfc8567 | 12449 | hfc8664 | 12505 | hfc8778 | 12561 | hfc8883 |
| 12338 | hfc8484 | 12394 | hfc8568 | 12450 | hfc8666 | 12506 | hfc8780 | 12562 | hfc8885 |
| 12339 | hfc8485 | 12395 | hfc8570 | 12451 | hfc8667 | 12507 | hfc8781 | 12563 | hfc8887 |
| 12340 | hfc8488 | 12396 | hfc8571 | 12452 | hfc8671 | 12508 | hfc8782 | 12564 | hfc8891 |
| 12341 | hfc8489 | 12397 | hfc8575 | 12453 | hfc8672 | 12509 | hfc8784 | 12565 | hfc8892 |
| 12342 | hfc8490 | 12398 | hfc8576 | 12454 | hfc8674 | 12510 | hfc8786 | 12566 | hfc8894 |
| 12343 | hfc8492 | 12399 | hfc8578 | 12455 | hfc8677 | 12511 | hfc8787 | 12567 | hfc8897 |
| 12344 | hfc8493 | 12400 | hfc8582 | 12456 | hfc8678 | 12512 | hfc8789 | 12568 | hfc8898 |
| 12345 | hfc8495 | 12401 | hfc8584 | 12457 | hfc8679 | 12513 | hfc8790 | 12569 | hfc8900 |
| 12346 | hfc8496 | 12402 | hfc8585 | 12458 | hfc8680 | 12514 | hfc8791 | 12570 | hfc8901 |
| 12347 | hfc8497 | 12403 | hfc8586 | 12459 | hfc8691 | 12515 | hfc8796 | 12571 | hfc8902 |
| 12348 | hfc8498 | 12404 | hfc8587 | 12460 | hfc8692 | 12516 | hfc8800 | 12572 | hfc8906 |
| 12349 | hfc8499 | 12405 | hfc8590 | 12461 | hfc8695 | 12517 | hfc8803 | 12573 | hfc8907 |
| 12350 | hfc8500 | 12406 | hfc8591 | 12462 | hfc8696 | 12518 | hfc8804 | 12574 | hfc8908 |
| 12351 | hfc8501 | 12407 | hfc8592 | 12463 | hfc8699 | 12519 | hfc8807 | 12575 | hfc8910 |
| 12352 | hfc8502 | 12408 | hfc8595 | 12464 | hfc8702 | 12520 | hfc8811 | 12576 | hfc8913 |
| 12353 | hfc8503 | 12409 | hfc8598 | 12465 | hfc8704 | 12521 | hfc8812 | 12577 | hfc8914 |
| 12354 | hfc8504 | 12410 | hfc8599 | 12466 | hfc8709 | 12522 | hfc8813 | 12578 | hfc8915 |
| 12355 | hfc8505 | 12411 | hfc8600 | 12467 | hfc8712 | 12523 | hfc8814 | 12579 | hfc8917 |
| 12356 | hfc8506 | 12412 | hfc8602 | 12468 | hfc8713 | 12524 | hfc8816 | 12580 | hfc8918 |
| 12357 | hfc8507 | 12413 | hfc8604 | 12469 | hfc8715 | 12525 | hfc8817 | 12581 | hfc8919 |
| 12358 | hfc8508 | 12414 | hfc8605 | 12470 | hfc8716 | 12526 | hfc8818 | 12582 | hfc8920 |
| 12359 | hfc8509 | 12415 | hfc8606 | 12471 | hfc8719 | 12527 | hfc8819 | 12583 | hfc8921 |
| 12360 | hfc8510 | 12416 | hfc8607 | 12472 | hfc8720 | 12528 | hfc8821 | 12584 | hfc8922 |
| 12361 | hfc8512 | 12417 | hfc8608 | 12473 | hfc8723 | 12529 | hfc8824 | 12585 | hfc8923 |
| 12362 | hfc8513 | 12418 | hfc8609 | 12474 | hfc8727 | 12530 | hfc8826 | 12586 | hfc8925 |
| 12363 | hfc8515 | 12419 | hfc8612 | 12475 | hfc8728 | 12531 | hfc8827 | 12587 | hfc8926 |
| 12364 | hfc8516 | 12420 | hfc8615 | 12476 | hfc8730 | 12532 | hfc8828 | 12588 | hfc8929 |
| 12365 | hfc8518 | 12421 | hfc8617 | 12477 | hfc8735 | 12533 | hfc8830 | 12589 | hfc8930 |
| 12366 | hfc8519 | 12422 | hfc8619 | 12478 | hfc8736 | 12534 | hfc8832 | 12590 | hfc8932 |
| 12367 | hfc8520 | 12423 | hfc8623 | 12479 | hfc8737 | 12535 | hfc8834 | 12591 | hfc8933 |
| 12368 | hfc8522 | 12424 | hfc8624 | 12480 | hfc8738 | 12536 | hfc8835 | 12592 | hfc8934 |
| 12369 | hfc8523 | 12425 | hfc8625 | 12481 | hfc8739 | 12537 | hfc8837 | 12593 | hfc8935 |
| 12370 | hfc8524 | 12426 | hfc8627 | 12482 | hfc8741 | 12538 | hfc8838 | 12594 | hfc8936 |
| 12371 | hfc8525 | 12427 | hfc8628 | 12483 | hfc8742 | 12539 | hfc8843 | 12595 | hfc8937 |
| 12372 | hfc8526 | 12428 | hfc8629 | 12484 | hfc8744 | 12540 | hfc8854 | 12596 | hfc8938 |
| 12373 | hfc8528 | 12429 | hfc8631 | 12485 | hfc8745 | 12541 | hfc8855 | 12597 | hfc8939 |
| 12374 | hfc8529 | 12430 | hfc8632 | 12486 | hfc8747 | 12542 | hfc8856 | 12598 | hfc8940 |
| 12375 | hfc8530 | 12431 | hfc8634 | 12487 | hfc8749 | 12543 | hfc8857 | 12599 | hfc8941 |
| 12376 | hfc8531 | 12432 | hfc8636 | 12488 | hfc8750 | 12544 | hfc8858 | 12600 | hfc8942 |

Figure 6B - Continued

| | | | | | | | | | |
|-------|---------|-------|---------|-------|---------|-------|---------|-------|---------|
| 12601 | hfc8943 | 12657 | hfc9018 | 12713 | hfc9095 | 12769 | hfc9174 | 12825 | hfc9244 |
| 12602 | hfc8944 | 12658 | hfc9020 | 12714 | hfc9096 | 12770 | hfc9175 | 12826 | hfc9245 |
| 12603 | hfc8945 | 12659 | hfc9022 | 12715 | hfc9097 | 12771 | hfc9176 | 12827 | hfc9246 |
| 12604 | hfc8946 | 12660 | hfc9023 | 12716 | hfc9098 | 12772 | hfc9177 | 12828 | hfc9247 |
| 12605 | hfc8947 | 12661 | hfc9025 | 12717 | hfc9099 | 12773 | hfc9178 | 12829 | hfc9249 |
| 12606 | hfc8951 | 12662 | hfc9026 | 12718 | hfc9100 | 12774 | hfc9179 | 12830 | hfc9250 |
| 12607 | hfc8953 | 12663 | hfc9027 | 12719 | hfc9101 | 12775 | hfc9180 | 12831 | hfc9251 |
| 12608 | hfc8954 | 12664 | hfc9028 | 12720 | hfc9105 | 12776 | hfc9181 | 12832 | hfc9252 |
| 12609 | hfc8956 | 12665 | hfc9029 | 12721 | hfc9107 | 12777 | hfc9182 | 12833 | hfc9253 |
| 12610 | hfc8957 | 12666 | hfc9030 | 12722 | hfc9110 | 12778 | hfc9183 | 12834 | hfc9254 |
| 12611 | hfc8958 | 12667 | hfc9031 | 12723 | hfc9111 | 12779 | hfc9184 | 12835 | hfc9255 |
| 12612 | hfc8959 | 12668 | hfc9032 | 12724 | hfc9112 | 12780 | hfc9185 | 12836 | hfc9256 |
| 12613 | hfc8960 | 12669 | hfc9033 | 12725 | hfc9115 | 12781 | hfc9186 | 12837 | hfc9257 |
| 12614 | hfc8961 | 12670 | hfc9034 | 12726 | hfc9116 | 12782 | hfc9187 | 12838 | hfc9258 |
| 12615 | hfc8963 | 12671 | hfc9035 | 12727 | hfc9117 | 12783 | hfc9188 | 12839 | hfc9260 |
| 12616 | hfc8964 | 12672 | hfc9036 | 12728 | hfc9121 | 12784 | hfc9189 | 12840 | hfc9261 |
| 12617 | hfc8965 | 12673 | hfc9038 | 12729 | hfc9122 | 12785 | hfc9190 | 12841 | hfc9262 |
| 12618 | hfc8967 | 12674 | hfc9039 | 12730 | hfc9123 | 12786 | hfc9191 | 12842 | hfc9263 |
| 12619 | hfc8968 | 12675 | hfc9040 | 12731 | hfc9124 | 12787 | hfc9192 | 12843 | hfc9264 |
| 12620 | hfc8969 | 12676 | hfc9041 | 12732 | hfc9125 | 12788 | hfc9193 | 12844 | hfc9265 |
| 12621 | hfc8971 | 12677 | hfc9042 | 12733 | hfc9127 | 12789 | hfc9194 | 12845 | hfc9266 |
| 12622 | hfc8972 | 12678 | hfc9043 | 12734 | hfc9128 | 12790 | hfc9195 | 12846 | hfc9267 |
| 12623 | hfc8973 | 12679 | hfc9044 | 12735 | hfc9129 | 12791 | hfc9196 | 12847 | hfc9268 |
| 12624 | hfc8974 | 12680 | hfc9046 | 12736 | hfc9130 | 12792 | hfc9200 | 12848 | hfc9270 |
| 12625 | hfc8976 | 12681 | hfc9047 | 12737 | hfc9131 | 12793 | hfc9201 | 12849 | hfc9271 |
| 12626 | hfc8977 | 12682 | hfc9050 | 12738 | hfc9133 | 12794 | hfc9202 | 12850 | hfc9272 |
| 12627 | hfc8980 | 12683 | hfc9051 | 12739 | hfc9134 | 12795 | hfc9203 | 12851 | hfc9273 |
| 12628 | hfc8981 | 12684 | hfc9052 | 12740 | hfc9136 | 12796 | hfc9206 | 12852 | hfc9276 |
| 12629 | hfc8982 | 12685 | hfc9053 | 12741 | hfc9138 | 12797 | hfc9207 | 12853 | hfc9277 |
| 12630 | hfc8983 | 12686 | hfc9054 | 12742 | hfc9139 | 12798 | hfc9209 | 12854 | hfc9278 |
| 12631 | hfc8984 | 12687 | hfc9057 | 12743 | hfc9140 | 12799 | hfc9210 | 12855 | hfc9279 |
| 12632 | hfc8986 | 12688 | hfc9060 | 12744 | hfc9141 | 12800 | hfc9211 | 12856 | hfc9280 |
| 12633 | hfc8988 | 12689 | hfc9061 | 12745 | hfc9142 | 12801 | hfc9212 | 12857 | hfc9283 |
| 12634 | hfc8989 | 12690 | hfc9062 | 12746 | hfc9143 | 12802 | hfc9215 | 12858 | hfc9284 |
| 12635 | hfc8990 | 12691 | hfc9063 | 12747 | hfc9144 | 12803 | hfc9216 | 12859 | hfc9285 |
| 12636 | hfc8992 | 12692 | hfc9066 | 12748 | hfc9145 | 12804 | hfc9217 | 12860 | hfc9286 |
| 12637 | hfc8993 | 12693 | hfc9068 | 12749 | hfc9146 | 12805 | hfc9218 | 12861 | hfc9287 |
| 12638 | hfc8995 | 12694 | hfc9069 | 12750 | hfc9148 | 12806 | hfc9219 | 12862 | hfc9288 |
| 12639 | hfc8996 | 12695 | hfc9071 | 12751 | hfc9150 | 12807 | hfc9221 | 12863 | hfc9289 |
| 12640 | hfc8997 | 12696 | hfc9072 | 12752 | hfc9153 | 12808 | hfc9222 | 12864 | hfc9290 |
| 12641 | hfc8998 | 12697 | hfc9073 | 12753 | hfc9154 | 12809 | hfc9224 | 12865 | hfc9292 |
| 12642 | hfc8999 | 12698 | hfc9075 | 12754 | hfc9156 | 12810 | hfc9225 | 12866 | hfc9293 |
| 12643 | hfc9001 | 12699 | hfc9076 | 12755 | hfc9158 | 12811 | hfc9226 | 12867 | hfc9294 |
| 12644 | hfc9002 | 12700 | hfc9077 | 12756 | hfc9159 | 12812 | hfc9228 | 12868 | hfc9295 |
| 12645 | hfc9004 | 12701 | hfc9079 | 12757 | hfc9160 | 12813 | hfc9229 | 12869 | hfc9296 |
| 12646 | hfc9005 | 12702 | hfc9080 | 12758 | hfc9161 | 12814 | hfc9230 | 12870 | hfc9297 |
| 12647 | hfc9006 | 12703 | hfc9083 | 12759 | hfc9162 | 12815 | hfc9231 | 12871 | hfc9298 |
| 12648 | hfc9007 | 12704 | hfc9084 | 12760 | hfc9163 | 12816 | hfc9232 | 12872 | hfc9299 |
| 12649 | hfc9008 | 12705 | hfc9085 | 12761 | hfc9164 | 12817 | hfc9234 | 12873 | hfc9300 |
| 12650 | hfc9009 | 12706 | hfc9086 | 12762 | hfc9165 | 12818 | hfc9236 | 12874 | hfc9301 |
| 12651 | hfc9011 | 12707 | hfc9088 | 12763 | hfc9167 | 12819 | hfc9237 | 12875 | hfc9302 |
| 12652 | hfc9012 | 12708 | hfc9089 | 12764 | hfc9169 | 12820 | hfc9239 | 12876 | hfc9303 |
| 12653 | hfc9013 | 12709 | hfc9090 | 12765 | hfc9170 | 12821 | hfc9240 | 12877 | hfc9304 |
| 12654 | hfc9014 | 12710 | hfc9091 | 12766 | hfc9171 | 12822 | hfc9241 | 12878 | hfc9307 |
| 12655 | hfc9015 | 12711 | hfc9092 | 12767 | hfc9172 | 12823 | hfc9242 | 12879 | hfc9310 |
| 12656 | hfc9017 | 12712 | hfc9094 | 12768 | hfc9173 | 12824 | hfc9243 | 12880 | hfc9312 |

Figure 6B – Continued

| | | | | | | | | | |
|-------|---------|-------|---------|-------|---------|-------|---------|-------|---------|
| 12881 | hfc9314 | 12937 | hfc9397 | 12993 | hfc9477 | 13049 | hfc9545 | 13105 | hfc9611 |
| 12882 | hfc9315 | 12938 | hfc9398 | 12994 | hfc9478 | 13050 | hfc9546 | 13106 | hfc9612 |
| 12883 | hfc9316 | 12939 | hfc9399 | 12995 | hfc9480 | 13051 | hfc9547 | 13107 | hfc9613 |
| 12884 | hfc9317 | 12940 | hfc9400 | 12996 | hfc9481 | 13052 | hfc9548 | 13108 | hfc9614 |
| 12885 | hfc9319 | 12941 | hfc9402 | 12997 | hfc9482 | 13053 | hfc9549 | 13109 | hfc9616 |
| 12886 | hfc9320 | 12942 | hfc9403 | 12998 | hfc9483 | 13054 | hfc9550 | 13110 | hfc9617 |
| 12887 | hfc9321 | 12943 | hfc9404 | 12999 | hfc9484 | 13055 | hfc9551 | 13111 | hfc9619 |
| 12888 | hfc9323 | 12944 | hfc9405 | 13000 | hfc9485 | 13056 | hfc9553 | 13112 | hfc9620 |
| 12889 | hfc9324 | 12945 | hfc9406 | 13001 | hfc9488 | 13057 | hfc9554 | 13113 | hfc9621 |
| 12890 | hfc9326 | 12946 | hfc9408 | 13002 | hfc9490 | 13058 | hfc9555 | 13114 | hfc9622 |
| 12891 | hfc9327 | 12947 | hfc9410 | 13003 | hfc9491 | 13059 | hfc9556 | 13115 | hfc9623 |
| 12892 | hfc9337 | 12948 | hfc9411 | 13004 | hfc9492 | 13060 | hfc9558 | 13116 | hfc9624 |
| 12893 | hfc9338 | 12949 | hfc9412 | 13005 | hfc9493 | 13061 | hfc9559 | 13117 | hfc9625 |
| 12894 | hfc9340 | 12950 | hfc9413 | 13006 | hfc9494 | 13062 | hfc9560 | 13118 | hfc9626 |
| 12895 | hfc9341 | 12951 | hfc9414 | 13007 | hfc9495 | 13063 | hfc9561 | 13119 | hfc9627 |
| 12896 | hfc9342 | 12952 | hfc9415 | 13008 | hfc9496 | 13064 | hfc9562 | 13120 | hfc9628 |
| 12897 | hfc9343 | 12953 | hfc9416 | 13009 | hfc9497 | 13065 | hfc9563 | 13121 | hfc9629 |
| 12898 | hfc9344 | 12954 | hfc9417 | 13010 | hfc9500 | 13066 | hfc9564 | 13122 | hfc9630 |
| 12899 | hfc9345 | 12955 | hfc9418 | 13011 | hfc9501 | 13067 | hfc9565 | 13123 | hfc9631 |
| 12900 | hfc9346 | 12956 | hfc9419 | 13012 | hfc9502 | 13068 | hfc9566 | 13124 | hfc9633 |
| 12901 | hfc9347 | 12957 | hfc9420 | 13013 | hfc9503 | 13069 | hfc9567 | 13125 | hfc9634 |
| 12902 | hfc9348 | 12958 | hfc9421 | 13014 | hfc9505 | 13070 | hfc9569 | 13126 | hfc9635 |
| 12903 | hfc9350 | 12959 | hfc9424 | 13015 | hfc9506 | 13071 | hfc9572 | 13127 | hfc9637 |
| 12904 | hfc9351 | 12960 | hfc9425 | 13016 | hfc9507 | 13072 | hfc9573 | 13128 | hfc9638 |
| 12905 | hfc9352 | 12961 | hfc9426 | 13017 | hfc9508 | 13073 | hfc9574 | 13129 | hfc9639 |
| 12906 | hfc9353 | 12962 | hfc9427 | 13018 | hfc9509 | 13074 | hfc9575 | 13130 | hfc9640 |
| 12907 | hfc9354 | 12963 | hfc9428 | 13019 | hfc9510 | 13075 | hfc9576 | 13131 | hfc9643 |
| 12908 | hfc9355 | 12964 | hfc9431 | 13020 | hfc9511 | 13076 | hfc9577 | 13132 | hfc9644 |
| 12909 | hfc9356 | 12965 | hfc9432 | 13021 | hfc9512 | 13077 | hfc9578 | 13133 | hfc9645 |
| 12910 | hfc9357 | 12966 | hfc9433 | 13022 | hfc9513 | 13078 | hfc9579 | 13134 | hfc9646 |
| 12911 | hfc9358 | 12967 | hfc9434 | 13023 | hfc9514 | 13079 | hfc9580 | 13135 | hfc9647 |
| 12912 | hfc9359 | 12968 | hfc9437 | 13024 | hfc9515 | 13080 | hfc9581 | 13136 | hfc9648 |
| 12913 | hfc9361 | 12969 | hfc9438 | 13025 | hfc9518 | 13081 | hfc9582 | 13137 | hfc9649 |
| 12914 | hfc9362 | 12970 | hfc9439 | 13026 | hfc9519 | 13082 | hfc9583 | 13138 | hfc9650 |
| 12915 | hfc9363 | 12971 | hfc9441 | 13027 | hfc9520 | 13083 | hfc9585 | 13139 | hfc9651 |
| 12916 | hfc9364 | 12972 | hfc9444 | 13028 | hfc9521 | 13084 | hfc9586 | 13140 | hfc9652 |
| 12917 | hfc9366 | 12973 | hfc9445 | 13029 | hfc9522 | 13085 | hfc9591 | 13141 | hfc9653 |
| 12918 | hfc9367 | 12974 | hfc9446 | 13030 | hfc9523 | 13086 | hfc9592 | 13142 | hfc9655 |
| 12919 | hfc9368 | 12975 | hfc9447 | 13031 | hfc9524 | 13087 | hfc9593 | 13143 | hfc9656 |
| 12920 | hfc9369 | 12976 | hfc9448 | 13032 | hfc9525 | 13088 | hfc9594 | 13144 | hfc9657 |
| 12921 | hfc9371 | 12977 | hfc9449 | 13033 | hfc9527 | 13089 | hfc9595 | 13145 | hfc9658 |
| 12922 | hfc9372 | 12978 | hfc9450 | 13034 | hfc9528 | 13090 | hfc9596 | 13146 | hfc9660 |
| 12923 | hfc9374 | 12979 | hfc9459 | 13035 | hfc9529 | 13091 | hfc9597 | 13147 | hfc9661 |
| 12924 | hfc9375 | 12980 | hfc9461 | 13036 | hfc9530 | 13092 | hfc9598 | 13148 | hfc9663 |
| 12925 | hfc9378 | 12981 | hfc9462 | 13037 | hfc9532 | 13093 | hfc9599 | 13149 | hfc9664 |
| 12926 | hfc9381 | 12982 | hfc9463 | 13038 | hfc9533 | 13094 | hfc9600 | 13150 | hfc9666 |
| 12927 | hfc9383 | 12983 | hfc9465 | 13039 | hfc9534 | 13095 | hfc9601 | 13151 | hfc9667 |
| 12928 | hfc9384 | 12984 | hfc9466 | 13040 | hfc9535 | 13096 | hfc9602 | 13152 | hfc9668 |
| 12929 | hfc9386 | 12985 | hfc9468 | 13041 | hfc9536 | 13097 | hfc9603 | 13153 | hfc9669 |
| 12930 | hfc9387 | 12986 | hfc9469 | 13042 | hfc9537 | 13098 | hfc9604 | 13154 | hfc9670 |
| 12931 | hfc9388 | 12987 | hfc9470 | 13043 | hfc9538 | 13099 | hfc9605 | 13155 | hfc9671 |
| 12932 | hfc9389 | 12988 | hfc9471 | 13044 | hfc9539 | 13100 | hfc9606 | 13156 | hfc9673 |
| 12933 | hfc9390 | 12989 | hfc9472 | 13045 | hfc9540 | 13101 | hfc9607 | 13157 | hfc9675 |
| 12934 | hfc9391 | 12990 | hfc9473 | 13046 | hfc9541 | 13102 | hfc9608 | 13158 | hfc9676 |
| 12935 | hfc9392 | 12991 | hfc9474 | 13047 | hfc9542 | 13103 | hfc9609 | 13159 | hfc9677 |
| 12936 | hfc9396 | 12992 | hfc9475 | 13048 | hfc9543 | 13104 | hfc9610 | 13160 | hfc9678 |

Figure 6B - Continued

| | | | | | | | | | |
|-------|---------|-------|---------|-------|---------|-------|---------|-------|---------|
| 13161 | hfc9679 | 13217 | hfc9754 | 13273 | hfc9836 | 13329 | hfc9915 | 13385 | hfc9986 |
| 13162 | hfc9680 | 13218 | hfc9755 | 13274 | hfc9837 | 13330 | hfc9916 | 13386 | hfc9987 |
| 13163 | hfc9681 | 13219 | hfc9756 | 13275 | hfc9840 | 13331 | hfc9917 | 13387 | hfc9988 |
| 13164 | hfc9682 | 13220 | hfc9757 | 13276 | hfc9841 | 13332 | hfc9918 | 13388 | hfc9989 |
| 13165 | hfc9684 | 13221 | hfc9759 | 13277 | hfc9842 | 13333 | hfc9919 | 13389 | hfc9990 |
| 13166 | hfc9685 | 13222 | hfc9761 | 13278 | hfc9843 | 13334 | hfc9920 | 13390 | hfc9991 |
| 13167 | hfc9686 | 13223 | hfc9763 | 13279 | hfc9844 | 13335 | hfc9921 | 13391 | hfc9992 |
| 13168 | hfc9687 | 13224 | hfc9764 | 13280 | hfc9845 | 13336 | hfc9922 | 13392 | hfc9993 |
| 13169 | hfc9689 | 13225 | hfc9767 | 13281 | hfc9846 | 13337 | hfc9923 | 13393 | hfc9994 |
| 13170 | hfc9690 | 13226 | hfc9768 | 13282 | hfc9847 | 13338 | hfc9924 | 13394 | hfc9995 |
| 13171 | hfc9691 | 13227 | hfc9769 | 13283 | hfc9848 | 13339 | hfc9926 | 13395 | hfc9996 |
| 13172 | hfc9692 | 13228 | hfc9771 | 13284 | hfc9853 | 13340 | hfc9927 | 13396 | hfc9997 |
| 13173 | hfc9694 | 13229 | hfc9773 | 13285 | hfc9861 | 13341 | hfc9928 | 13397 | hfc9998 |
| 13174 | hfc9695 | 13230 | hfc9774 | 13286 | hfc9862 | 13342 | hfc9929 | 13398 | hfc9999 |
| 13175 | hfc9696 | 13231 | hfc9775 | 13287 | hfc9863 | 13343 | hfc9932 | | |
| 13176 | hfc9698 | 13232 | hfc9776 | 13288 | hfc9866 | 13344 | hfc9933 | | |
| 13177 | hfc9700 | 13233 | hfc9777 | 13289 | hfc9867 | 13345 | hfc9934 | | |
| 13178 | hfc9701 | 13234 | hfc9778 | 13290 | hfc9868 | 13346 | hfc9935 | | |
| 13179 | hfc9703 | 13235 | hfc9779 | 13291 | hfc9869 | 13347 | hfc9936 | | |
| 13180 | hfc9704 | 13236 | hfc9782 | 13292 | hfc9871 | 13348 | hfc9938 | | |
| 13181 | hfc9705 | 13237 | hfc9783 | 13293 | hfc9872 | 13349 | hfc9939 | | |
| 13182 | hfc9706 | 13238 | hfc9784 | 13294 | hfc9875 | 13350 | hfc9940 | | |
| 13183 | hfc9707 | 13239 | hfc9785 | 13295 | hfc9879 | 13351 | hfc9941 | | |
| 13184 | hfc9708 | 13240 | hfc9787 | 13296 | hfc9880 | 13352 | hfc9942 | | |
| 13185 | hfc9709 | 13241 | hfc9788 | 13297 | hfc9881 | 13353 | hfc9943 | | |
| 13186 | hfc9711 | 13242 | hfc9789 | 13298 | hfc9883 | 13354 | hfc9945 | | |
| 13187 | hfc9713 | 13243 | hfc9790 | 13299 | hfc9884 | 13355 | hfc9946 | | |
| 13188 | hfc9715 | 13244 | hfc9791 | 13300 | hfc9885 | 13356 | hfc9947 | | |
| 13189 | hfc9716 | 13245 | hfc9794 | 13301 | hfc9886 | 13357 | hfc9948 | | |
| 13190 | hfc9717 | 13246 | hfc9795 | 13302 | hfc9887 | 13358 | hfc9949 | | |
| 13191 | hfc9718 | 13247 | hfc9796 | 13303 | hfc9888 | 13359 | hfc9953 | | |
| 13192 | hfc9719 | 13248 | hfc9797 | 13304 | hfc9889 | 13360 | hfc9954 | | |
| 13193 | hfc9720 | 13249 | hfc9799 | 13305 | hfc9890 | 13361 | hfc9955 | | |
| 13194 | hfc9721 | 13250 | hfc9800 | 13306 | hfc9891 | 13362 | hfc9956 | | |
| 13195 | hfc9723 | 13251 | hfc9802 | 13307 | hfc9892 | 13363 | hfc9958 | | |
| 13196 | hfc9725 | 13252 | hfc9803 | 13308 | hfc9893 | 13364 | hfc9959 | | |
| 13197 | hfc9726 | 13253 | hfc9804 | 13309 | hfc9894 | 13365 | hfc9960 | | |
| 13198 | hfc9727 | 13254 | hfc9807 | 13310 | hfc9895 | 13366 | hfc9961 | | |
| 13199 | hfc9728 | 13255 | hfc9808 | 13311 | hfc9896 | 13367 | hfc9963 | | |
| 13200 | hfc9729 | 13256 | hfc9809 | 13312 | hfc9897 | 13368 | hfc9965 | | |
| 13201 | hfc9730 | 13257 | hfc9810 | 13313 | hfc9898 | 13369 | hfc9966 | | |
| 13202 | hfc9731 | 13258 | hfc9811 | 13314 | hfc9899 | 13370 | hfc9967 | | |
| 13203 | hfc9733 | 13259 | hfc9812 | 13315 | hfc9900 | 13371 | hfc9968 | | |
| 13204 | hfc9736 | 13260 | hfc9814 | 13316 | hfc9901 | 13372 | hfc9969 | | |
| 13205 | hfc9737 | 13261 | hfc9815 | 13317 | hfc9902 | 13373 | hfc9970 | | |
| 13206 | hfc9738 | 13262 | hfc9816 | 13318 | hfc9903 | 13374 | hfc9971 | | |
| 13207 | hfc9739 | 13263 | hfc9817 | 13319 | hfc9904 | 13375 | hfc9973 | | |
| 13208 | hfc9740 | 13264 | hfc9819 | 13320 | hfc9905 | 13376 | hfc9974 | | |
| 13209 | hfc9741 | 13265 | hfc9820 | 13321 | hfc9907 | 13377 | hfc9975 | | |
| 13210 | hfc9742 | 13266 | hfc9821 | 13322 | hfc9908 | 13378 | hfc9976 | | |
| 13211 | hfc9743 | 13267 | hfc9822 | 13323 | hfc9909 | 13379 | hfc9977 | | |
| 13212 | hfc9744 | 13268 | hfc9823 | 13324 | hfc9910 | 13380 | hfc9979 | | |
| 13213 | hfc9745 | 13269 | hfc9824 | 13325 | hfc9911 | 13381 | hfc9980 | | |
| 13214 | hfc9746 | 13270 | hfc9827 | 13326 | hfc9912 | 13382 | hfc9981 | | |
| 13215 | hfc9748 | 13271 | hfc9830 | 13327 | hfc9913 | 13383 | hfc9982 | | |
| 13216 | hfc9751 | 13272 | hfc9835 | 13328 | hfc9914 | 13384 | hfc9985 | | |

Figure 6C – List of EST Sequence Names From Normal Cartilage cDNA Library

| | | | | | | | | | |
|----|---------|-----|----------|-----|---------|-----|----------|-----|----------|
| 1 | ncr0001 | 57 | ncr0088 | 113 | ncr0168 | 169 | ncr0252 | 225 | ncr0332 |
| 2 | ncr0004 | 58 | ncr0090 | 114 | ncr0169 | 170 | ncr0253 | 226 | ncr0333 |
| 3 | ncr0005 | 59 | ncr0091 | 115 | ncr0170 | 171 | ncr0255 | 227 | ncr0335 |
| 4 | ncr0007 | 60 | ncr0092 | 116 | ncr0171 | 172 | ncr0256 | 228 | ncr0336 |
| 5 | ncr0008 | 61 | ncr0094 | 117 | ncr0172 | 173 | ncr0257 | 229 | ncr0338 |
| 6 | ncr0011 | 62 | ncr0095 | 118 | ncr0173 | 174 | ncr0258 | 230 | ncr0339n |
| 7 | ncr0013 | 63 | ncr0096 | 119 | ncr0174 | 175 | ncr0260 | 231 | ncr0340 |
| 8 | ncr0014 | 64 | ncr0097 | 120 | ncr0176 | 176 | ncr0261 | 232 | ncr0343 |
| 9 | ncr0015 | 65 | ncr0099 | 121 | ncr0178 | 177 | ncr0262 | 233 | ncr0345 |
| 10 | ncr0016 | 66 | ncr0100 | 122 | ncr0179 | 178 | ncr0265 | 234 | ncr0347 |
| 11 | ncr0018 | 67 | ncr0101 | 123 | ncr0180 | 179 | ncr0266 | 235 | ncr0350 |
| 12 | ncr0019 | 68 | ncr0103 | 124 | ncr0181 | 180 | ncr0267 | 236 | ncr0352 |
| 13 | ncr0020 | 69 | ncr0104 | 125 | ncr0182 | 181 | ncr0268 | 237 | ncr0353 |
| 14 | ncr0021 | 70 | ncr0105 | 126 | ncr0183 | 182 | ncr0269 | 238 | ncr0355 |
| 15 | ncr0023 | 71 | ncr0107 | 127 | ncr0184 | 183 | ncr0270 | 239 | ncr0356 |
| 16 | ncr0025 | 72 | ncr0108 | 128 | ncr0185 | 184 | ncr0272 | 240 | ncr0357 |
| 17 | ncr0026 | 73 | ncr0109 | 129 | ncr0186 | 185 | ncr0273 | 241 | ncr0358 |
| 18 | ncr0028 | 74 | ncr0110 | 130 | ncr0187 | 186 | ncr0274 | 242 | ncr0360 |
| 19 | ncr0029 | 75 | ncr0113 | 131 | ncr0188 | 187 | ncr0275 | 243 | ncr0363 |
| 20 | ncr0031 | 76 | ncr0114 | 132 | ncr0189 | 188 | ncr0276 | 244 | ncr0364 |
| 21 | ncr0032 | 77 | ncr0115 | 133 | ncr0191 | 189 | ncr0277 | 245 | ncr0365 |
| 22 | ncr0033 | 78 | ncr0117 | 134 | ncr0193 | 190 | ncr0279 | 246 | ncr0366 |
| 23 | ncr0034 | 79 | ncr0120 | 135 | ncr0194 | 191 | ncr0282 | 247 | ncr0368 |
| 24 | ncr0035 | 80 | ncr0122 | 136 | ncr0197 | 192 | ncr0284 | 248 | ncr0369 |
| 25 | ncr0036 | 81 | ncr0123 | 137 | ncr0198 | 193 | ncr0285 | 249 | ncr0370n |
| 26 | ncr0037 | 82 | ncr0124 | 138 | ncr0199 | 194 | ncr0286 | 250 | ncr0371n |
| 27 | ncr0041 | 83 | ncr0125 | 139 | ncr0201 | 195 | ncr0287 | 251 | ncr0372 |
| 28 | ncr0043 | 84 | ncr0126 | 140 | ncr0205 | 196 | ncr0289 | 252 | ncr0373 |
| 29 | ncr0044 | 85 | ncr0128 | 141 | ncr0206 | 197 | ncr0291 | 253 | ncr0374 |
| 30 | ncr0045 | 86 | ncr0130 | 142 | ncr0208 | 198 | ncr0292 | 254 | ncr0376 |
| 31 | ncr0046 | 87 | ncr0132 | 143 | ncr0209 | 199 | ncr0296 | 255 | ncr0377 |
| 32 | ncr0047 | 88 | ncr0133 | 144 | ncr0210 | 200 | ncr0299 | 256 | ncr0378 |
| 33 | ncr0048 | 89 | ncr0134 | 145 | ncr0211 | 201 | ncr0300 | 257 | ncr0379 |
| 34 | ncr0049 | 90 | ncr0135 | 146 | ncr0212 | 202 | ncr0301 | 258 | ncr0380 |
| 35 | ncr0051 | 91 | ncr0136 | 147 | ncr0213 | 203 | ncr0303 | 259 | ncr0381 |
| 36 | ncr0052 | 92 | ncr0137 | 148 | ncr0215 | 204 | ncr0304 | 260 | ncr0382 |
| 37 | ncr0054 | 93 | ncr0138 | 149 | ncr0218 | 205 | ncr0305 | 261 | ncr0383 |
| 38 | ncr0055 | 94 | ncr0140 | 150 | ncr0221 | 206 | ncr0306 | 262 | ncr0384 |
| 39 | ncr0056 | 95 | ncr0142 | 151 | ncr0222 | 207 | ncr0307 | 263 | ncr0385 |
| 40 | ncr0060 | 96 | ncr0143 | 152 | ncr0223 | 208 | ncr0309 | 264 | ncr0387 |
| 41 | ncr0064 | 97 | ncr0144 | 153 | ncr0224 | 209 | ncr0310n | 265 | ncr0388 |
| 42 | ncr0066 | 98 | ncr0145 | 154 | ncr0231 | 210 | ncr0312 | 266 | ncr0389 |
| 43 | ncr0067 | 99 | ncr0146 | 155 | ncr0233 | 211 | ncr0313 | 267 | ncr0392 |
| 44 | ncr0070 | 100 | ncr0148 | 156 | ncr0235 | 212 | ncr0314 | 268 | ncr0393 |
| 45 | ncr0072 | 101 | ncr0149 | 157 | ncr0236 | 213 | ncr0315 | 269 | ncr0395 |
| 46 | ncr0073 | 102 | ncr0150 | 158 | ncr0238 | 214 | ncr0316 | 270 | ncr0396 |
| 47 | ncr0074 | 103 | ncr0152 | 159 | ncr0239 | 215 | ncr0317 | 271 | ncr0400 |
| 48 | ncr0075 | 104 | ncr0153 | 160 | ncr0240 | 216 | ncr0319 | 272 | ncr0402 |
| 49 | ncr0076 | 105 | ncr0156 | 161 | ncr0241 | 217 | ncr0320 | 273 | ncr0403 |
| 50 | ncr0078 | 106 | ncr0157 | 162 | ncr0242 | 218 | ncr0323 | 274 | ncr0404 |
| 51 | ncr0079 | 107 | ncr0159 | 163 | ncr0243 | 219 | ncr0325 | 275 | ncr0407 |
| 52 | ncr0080 | 108 | ncr0160 | 164 | ncr0244 | 220 | ncr0326 | 276 | ncr0408 |
| 53 | ncr0081 | 109 | ncr0164 | 165 | ncr0245 | 221 | ncr0328 | 277 | ncr0409 |
| 54 | ncr0083 | 110 | ncr0165 | 166 | ncr0246 | 222 | ncr0329 | 278 | ncr0411 |
| 55 | ncr0084 | 111 | ncr0166n | 167 | ncr0250 | 223 | ncr0330 | 279 | ncr0412 |
| 56 | ncr0085 | 112 | ncr0167 | 168 | ncr0251 | 224 | ncr0331 | 280 | ncr0413 |

Figure 6C – Continued

| | | | | | | | | | |
|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|
| 281 | ncr0415 | 337 | ncr0496 | 393 | ncr0567 | 449 | ncr0633 | 505 | ncr0725 |
| 282 | ncr0416 | 338 | ncr0497 | 394 | ncr0568 | 450 | ncr0634 | 506 | ncr0728 |
| 283 | ncr0417 | 339 | ncr0498 | 395 | ncr0569 | 451 | ncr0635 | 507 | ncr0729 |
| 284 | ncr0418 | 340 | ncr0500 | 396 | ncr0570 | 452 | ncr0637 | 508 | ncr0731 |
| 285 | ncr0420 | 341 | ncr0502 | 397 | ncr0571 | 453 | ncr0638 | 509 | ncr0733 |
| 286 | ncr0421 | 342 | ncr0503 | 398 | ncr0572 | 454 | ncr0640 | 510 | ncr0734 |
| 287 | ncr0422 | 343 | ncr0504 | 399 | ncr0573 | 455 | ncr0641 | 511 | ncr0736 |
| 288 | ncr0424 | 344 | ncr0505 | 400 | ncr0574 | 456 | ncr0642 | 512 | ncr0738 |
| 289 | ncr0425 | 345 | ncr0506 | 401 | ncr0575 | 457 | ncr0643 | 513 | ncr0739 |
| 290 | ncr0426 | 346 | ncr0507 | 402 | ncr0576 | 458 | ncr0644 | 514 | ncr0740 |
| 291 | ncr0427 | 347 | ncr0509 | 403 | ncr0577 | 459 | ncr0645 | 515 | ncr0741 |
| 292 | ncr0429 | 348 | ncr0511 | 404 | ncr0578 | 460 | ncr0646 | 516 | ncr0742 |
| 293 | ncr0432 | 349 | ncr0512 | 405 | ncr0580 | 461 | ncr0648 | 517 | ncr0744 |
| 294 | ncr0433 | 350 | ncr0513 | 406 | ncr0581 | 462 | ncr0649 | 518 | ncr0746 |
| 295 | ncr0434 | 351 | ncr0514 | 407 | ncr0582 | 463 | ncr0650 | 519 | ncr0747 |
| 296 | ncr0436 | 352 | ncr0516 | 408 | ncr0583 | 464 | ncr0652 | 520 | ncr0749 |
| 297 | ncr0438 | 353 | ncr0518 | 409 | ncr0584 | 465 | ncr0654 | 521 | ncr0751 |
| 298 | ncr0441 | 354 | ncr0519 | 410 | ncr0586 | 466 | ncr0656 | 522 | ncr0754 |
| 299 | ncr0442 | 355 | ncr0521 | 411 | ncr0587 | 467 | ncr0658 | 523 | ncr0755 |
| 300 | ncr0443 | 356 | ncr0522 | 412 | ncr0588 | 468 | ncr0660 | 524 | ncr0756 |
| 301 | ncr0444 | 357 | ncr0524 | 413 | ncr0589 | 469 | ncr0661 | 525 | ncr0759 |
| 302 | ncr0445 | 358 | ncr0525 | 414 | ncr0590 | 470 | ncr0662 | 526 | ncr0760 |
| 303 | ncr0446 | 359 | ncr0527 | 415 | ncr0591 | 471 | ncr0663 | 527 | ncr0761 |
| 304 | ncr0448 | 360 | ncr0528 | 416 | ncr0593 | 472 | ncr0664 | 528 | ncr0762 |
| 305 | ncr0449 | 361 | ncr0531 | 417 | ncr0594 | 473 | ncr0666 | 529 | ncr0763 |
| 306 | ncr0451 | 362 | ncr0532 | 418 | ncr0595 | 474 | ncr0667 | 530 | ncr0764 |
| 307 | ncr0452 | 363 | ncr0533 | 419 | ncr0596 | 475 | ncr0669 | 531 | ncr0765 |
| 308 | ncr0453 | 364 | ncr0534 | 420 | ncr0597 | 476 | ncr0671 | 532 | ncr0766 |
| 309 | ncr0454 | 365 | ncr0535 | 421 | ncr0598 | 477 | ncr0672 | 533 | ncr0767 |
| 310 | ncr0455 | 366 | ncr0536 | 422 | ncr0600 | 478 | ncr0673 | 534 | ncr0768 |
| 311 | ncr0456 | 367 | ncr0538 | 423 | ncr0602 | 479 | ncr0675 | 535 | ncr0769 |
| 312 | ncr0457 | 368 | ncr0539 | 424 | ncr0604 | 480 | ncr0676 | 536 | ncr0772 |
| 313 | ncr0459 | 369 | ncr0540 | 425 | ncr0605 | 481 | ncr0678 | 537 | ncr0773 |
| 314 | ncr0460 | 370 | ncr0541 | 426 | ncr0608 | 482 | ncr0679 | 538 | ncr0775 |
| 315 | ncr0461 | 371 | ncr0542 | 427 | ncr0609 | 483 | ncr0680 | 539 | ncr0776 |
| 316 | ncr0463 | 372 | ncr0543 | 428 | ncr0610 | 484 | ncr0681 | 540 | ncr0779 |
| 317 | ncr0466 | 373 | ncr0544 | 429 | ncr0611 | 485 | ncr0685 | 541 | ncr0780 |
| 318 | ncr0467 | 374 | ncr0545 | 430 | ncr0612 | 486 | ncr0687 | 542 | ncr0781 |
| 319 | ncr0469 | 375 | ncr0546 | 431 | ncr0613 | 487 | ncr0688 | 543 | ncr0783 |
| 320 | ncr0470 | 376 | ncr0547 | 432 | ncr0614 | 488 | ncr0690 | 544 | ncr0785 |
| 321 | ncr0471 | 377 | ncr0548 | 433 | ncr0615 | 489 | ncr0692 | 545 | ncr0786 |
| 322 | ncr0472 | 378 | ncr0549 | 434 | ncr0617 | 490 | ncr0693 | 546 | ncr0787 |
| 323 | ncr0474 | 379 | ncr0550 | 435 | ncr0618 | 491 | ncr0694 | 547 | ncr0788 |
| 324 | ncr0475 | 380 | ncr0551 | 436 | ncr0619 | 492 | ncr0696 | 548 | ncr0791 |
| 325 | ncr0477 | 381 | ncr0553 | 437 | ncr0620 | 493 | ncr0697 | 549 | ncr0792 |
| 326 | ncr0478 | 382 | ncr0554 | 438 | ncr0621 | 494 | ncr0700 | 550 | ncr0795 |
| 327 | ncr0479 | 383 | ncr0556 | 439 | ncr0622 | 495 | ncr0701 | 551 | ncr0796 |
| 328 | ncr0480 | 384 | ncr0557 | 440 | ncr0623 | 496 | ncr0704 | 552 | ncr0797 |
| 329 | ncr0484 | 385 | ncr0559 | 441 | ncr0624 | 497 | ncr0708 | 553 | ncr0799 |
| 330 | ncr0485 | 386 | ncr0560 | 442 | ncr0625 | 498 | ncr0711 | 554 | ncr0800 |
| 331 | ncr0486 | 387 | ncr0561 | 443 | ncr0626 | 499 | ncr0713 | 555 | ncr0801 |
| 332 | ncr0488 | 388 | ncr0562 | 444 | ncr0627 | 500 | ncr0714 | 556 | ncr0802 |
| 333 | ncr0489 | 389 | ncr0563 | 445 | ncr0628 | 501 | ncr0716 | 557 | ncr0803 |
| 334 | ncr0491 | 390 | ncr0564 | 446 | ncr0630 | 502 | ncr0720 | 558 | ncr0806 |
| 335 | ncr0494 | 391 | ncr0565 | 447 | ncr0631 | 503 | ncr0721 | 559 | ncr0807 |
| 336 | ncr0495 | 392 | ncr0566 | 448 | ncr0632 | 504 | ncr0723 | 560 | ncr0808 |

Figure 6C – Continued

| | | | | | | | | | |
|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|
| 561 | ncr0810 | 617 | ncr0895 | 673 | ncr0967 | 729 | ncr1045 | 785 | ncr1135 |
| 562 | ncr0812 | 618 | ncr0897 | 674 | ncr0968 | 730 | ncr1046 | 786 | ncr1137 |
| 563 | ncr0813 | 619 | ncr0898 | 675 | ncr0969 | 731 | ncr1047 | 787 | ncr1138 |
| 564 | ncr0814 | 620 | ncr0899 | 676 | ncr0971 | 732 | ncr1048 | 788 | ncr1139 |
| 565 | ncr0816 | 621 | ncr0900 | 677 | ncr0972 | 733 | ncr1049 | 789 | ncr1140 |
| 566 | ncr0817 | 622 | ncr0901 | 678 | ncr0974 | 734 | ncr1051 | 790 | ncr1141 |
| 567 | ncr0819 | 623 | ncr0902 | 679 | ncr0975 | 735 | ncr1052 | 791 | ncr1142 |
| 568 | ncr0820 | 624 | ncr0904 | 680 | ncr0976 | 736 | ncr1053 | 792 | ncr1147 |
| 569 | ncr0822 | 625 | ncr0906 | 681 | ncr0977 | 737 | ncr1055 | 793 | ncr1148 |
| 570 | ncr0824 | 626 | ncr0908 | 682 | ncr0979 | 738 | ncr1059 | 794 | ncr1150 |
| 571 | ncr0825 | 627 | ncr0910 | 683 | ncr0980 | 739 | ncr1060 | 795 | ncr1152 |
| 572 | ncr0826 | 628 | ncr0911 | 684 | ncr0984 | 740 | ncr1061 | 796 | ncr1155 |
| 573 | ncr0827 | 629 | ncr0912 | 685 | ncr0985 | 741 | ncr1063 | 797 | ncr1159 |
| 574 | ncr0828 | 630 | ncr0913 | 686 | ncr0987 | 742 | ncr1065 | 798 | ncr1161 |
| 575 | ncr0829 | 631 | ncr0914 | 687 | ncr0988 | 743 | ncr1067 | 799 | ncr1163 |
| 576 | ncr0830 | 632 | ncr0915 | 688 | ncr0989 | 744 | ncr1068 | 800 | ncr1165 |
| 577 | ncr0832 | 633 | ncr0916 | 689 | ncr0991 | 745 | ncr1071 | 801 | ncr1167 |
| 578 | ncr0833 | 634 | ncr0917 | 690 | ncr0992 | 746 | ncr1072 | 802 | ncr1168 |
| 579 | ncr0835 | 635 | ncr0918 | 691 | ncr0994 | 747 | ncr1073 | 803 | ncr1169 |
| 580 | ncr0836 | 636 | ncr0920 | 692 | ncr0995 | 748 | ncr1076 | 804 | ncr1171 |
| 581 | ncr0838 | 637 | ncr0921 | 693 | ncr0997 | 749 | ncr1077 | 805 | ncr1172 |
| 582 | ncr0839 | 638 | ncr0922 | 694 | ncr0998 | 750 | ncr1079 | 806 | ncr1175 |
| 583 | ncr0840 | 639 | ncr0923 | 695 | ncr0999 | 751 | ncr1080 | 807 | ncr1177 |
| 584 | ncr0842 | 640 | ncr0924 | 696 | ncr1002 | 752 | ncr1082 | 808 | ncr1179 |
| 585 | ncr0843 | 641 | ncr0925 | 697 | ncr1003 | 753 | ncr1085 | 809 | ncr1180 |
| 586 | ncr0844 | 642 | ncr0926 | 698 | ncr1004 | 754 | ncr1087 | 810 | ncr1181 |
| 587 | ncr0845 | 643 | ncr0927 | 699 | ncr1005 | 755 | ncr1090 | 811 | ncr1183 |
| 588 | ncr0846 | 644 | ncr0928 | 700 | ncr1006 | 756 | ncr1091 | 812 | ncr1184 |
| 589 | ncr0847 | 645 | ncr0929 | 701 | ncr1007 | 757 | ncr1094 | 813 | ncr1186 |
| 590 | ncr0851 | 646 | ncr0931 | 702 | ncr1008 | 758 | ncr1096 | 814 | ncr1187 |
| 591 | ncr0852 | 647 | ncr0933 | 703 | ncr1009 | 759 | ncr1098 | 815 | ncr1191 |
| 592 | ncr0853 | 648 | ncr0934 | 704 | ncr1011 | 760 | ncr1099 | 816 | ncr1192 |
| 593 | ncr0854 | 649 | ncr0935 | 705 | ncr1012 | 761 | ncr1101 | 817 | ncr1194 |
| 594 | ncr0855 | 650 | ncr0937 | 706 | ncr1013 | 762 | ncr1102 | 818 | ncr1195 |
| 595 | ncr0856 | 651 | ncr0938 | 707 | ncr1016 | 763 | ncr1103 | 819 | ncr1196 |
| 596 | ncr0859 | 652 | ncr0939 | 708 | ncr1020 | 764 | ncr1104 | 820 | ncr1197 |
| 597 | ncr0860 | 653 | ncr0941 | 709 | ncr1021 | 765 | ncr1105 | 821 | ncr1199 |
| 598 | ncr0861 | 654 | ncr0942 | 710 | ncr1023 | 766 | ncr1107 | 822 | ncr1200 |
| 599 | ncr0862 | 655 | ncr0943 | 711 | ncr1024 | 767 | ncr1108 | 823 | ncr1201 |
| 600 | ncr0863 | 656 | ncr0944 | 712 | ncr1025 | 768 | ncr1109 | 824 | ncr1203 |
| 601 | ncr0865 | 657 | ncr0945 | 713 | ncr1026 | 769 | ncr1110 | 825 | ncr1204 |
| 602 | ncr0867 | 658 | ncr0946 | 714 | ncr1028 | 770 | ncr1113 | 826 | ncr1205 |
| 603 | ncr0869 | 659 | ncr0947 | 715 | ncr1029 | 771 | ncr1114 | 827 | ncr1206 |
| 604 | ncr0870 | 660 | ncr0948 | 716 | ncr1030 | 772 | ncr1115 | 828 | ncr1208 |
| 605 | ncr0871 | 661 | ncr0949 | 717 | ncr1031 | 773 | ncr1116 | 829 | ncr1209 |
| 606 | ncr0872 | 662 | ncr0950 | 718 | ncr1032 | 774 | ncr1117 | 830 | ncr1210 |
| 607 | ncr0879 | 663 | ncr0952 | 719 | ncr1033 | 775 | ncr1119 | 831 | ncr1211 |
| 608 | ncr0880 | 664 | ncr0953 | 720 | ncr1034 | 776 | ncr1121 | 832 | ncr1212 |
| 609 | ncr0881 | 665 | ncr0954 | 721 | ncr1035 | 777 | ncr1122 | 833 | ncr1213 |
| 610 | ncr0883 | 666 | ncr0956 | 722 | ncr1036 | 778 | ncr1125 | 834 | ncr1214 |
| 611 | ncr0884 | 667 | ncr0957 | 723 | ncr1038 | 779 | ncr1126 | 835 | ncr1215 |
| 612 | ncr0885 | 668 | ncr0958 | 724 | ncr1039 | 780 | ncr1127 | 836 | ncr1216 |
| 613 | ncr0888 | 669 | ncr0959 | 725 | ncr1040 | 781 | ncr1129 | 837 | ncr1217 |
| 614 | ncr0889 | 670 | ncr0960 | 726 | ncr1041 | 782 | ncr1130 | 838 | ncr1218 |
| 615 | ncr0891 | 671 | ncr0963 | 727 | ncr1042 | 783 | ncr1132 | 839 | ncr1219 |
| 616 | ncr0893 | 672 | ncr0965 | 728 | ncr1043 | 784 | ncr1134 | 840 | ncr1220 |

Figure 6C - Continued

| | | | | | | | | | |
|-----|---------|-----|---------|------|---------|------|---------|------|---------|
| 841 | ncr1221 | 897 | ncr1298 | 953 | ncr1386 | 1009 | ncr1460 | 1065 | ncr1534 |
| 842 | ncr1224 | 898 | ncr1299 | 954 | ncr1387 | 1010 | ncr1461 | 1066 | ncr1535 |
| 843 | ncr1225 | 899 | ncr1302 | 955 | ncr1388 | 1011 | ncr1464 | 1067 | ncr1536 |
| 844 | ncr1226 | 900 | ncr1303 | 956 | ncr1389 | 1012 | ncr1465 | 1068 | ncr1539 |
| 845 | ncr1228 | 901 | ncr1305 | 957 | ncr1390 | 1013 | ncr1466 | 1069 | ncr1544 |
| 846 | ncr1229 | 902 | ncr1307 | 958 | ncr1393 | 1014 | ncr1469 | 1070 | ncr1545 |
| 847 | ncr1230 | 903 | ncr1309 | 959 | ncr1394 | 1015 | ncr1471 | 1071 | ncr1548 |
| 848 | ncr1231 | 904 | ncr1310 | 960 | ncr1395 | 1016 | ncr1473 | 1072 | ncr1550 |
| 849 | ncr1232 | 905 | ncr1312 | 961 | ncr1396 | 1017 | ncr1474 | 1073 | ncr1551 |
| 850 | ncr1235 | 906 | ncr1313 | 962 | ncr1398 | 1018 | ncr1475 | 1074 | ncr1552 |
| 851 | ncr1236 | 907 | ncr1314 | 963 | ncr1399 | 1019 | ncr1476 | 1075 | ncr1553 |
| 852 | ncr1238 | 908 | ncr1315 | 964 | ncr1400 | 1020 | ncr1478 | 1076 | ncr1555 |
| 853 | ncr1240 | 909 | ncr1316 | 965 | ncr1401 | 1021 | ncr1479 | 1077 | ncr1556 |
| 854 | ncr1241 | 910 | ncr1317 | 966 | ncr1402 | 1022 | ncr1480 | 1078 | ncr1557 |
| 855 | ncr1242 | 911 | ncr1318 | 967 | ncr1403 | 1023 | ncr1483 | 1079 | ncr1559 |
| 856 | ncr1244 | 912 | ncr1319 | 968 | ncr1404 | 1024 | ncr1484 | 1080 | ncr1560 |
| 857 | ncr1245 | 913 | ncr1320 | 969 | ncr1405 | 1025 | ncr1485 | 1081 | ncr1563 |
| 858 | ncr1246 | 914 | ncr1323 | 970 | ncr1406 | 1026 | ncr1486 | 1082 | ncr1565 |
| 859 | ncr1247 | 915 | ncr1324 | 971 | ncr1407 | 1027 | ncr1488 | 1083 | ncr1567 |
| 860 | ncr1248 | 916 | ncr1325 | 972 | ncr1408 | 1028 | ncr1490 | 1084 | ncr1568 |
| 861 | ncr1249 | 917 | ncr1326 | 973 | ncr1409 | 1029 | ncr1491 | 1085 | ncr1569 |
| 862 | ncr1251 | 918 | ncr1328 | 974 | ncr1410 | 1030 | ncr1492 | 1086 | ncr1570 |
| 863 | ncr1252 | 919 | ncr1330 | 975 | ncr1411 | 1031 | ncr1494 | 1087 | ncr1571 |
| 864 | ncr1255 | 920 | ncr1332 | 976 | ncr1413 | 1032 | ncr1495 | 1088 | ncr1572 |
| 865 | ncr1256 | 921 | ncr1333 | 977 | ncr1414 | 1033 | ncr1496 | 1089 | ncr1573 |
| 866 | ncr1257 | 922 | ncr1334 | 978 | ncr1415 | 1034 | ncr1497 | 1090 | ncr1575 |
| 867 | ncr1260 | 923 | ncr1335 | 979 | ncr1416 | 1035 | ncr1499 | 1091 | ncr1576 |
| 868 | ncr1261 | 924 | ncr1337 | 980 | ncr1417 | 1036 | ncr1501 | 1092 | ncr1578 |
| 869 | ncr1263 | 925 | ncr1338 | 981 | ncr1418 | 1037 | ncr1502 | 1093 | ncr1580 |
| 870 | ncr1264 | 926 | ncr1339 | 982 | ncr1420 | 1038 | ncr1503 | 1094 | ncr1583 |
| 871 | ncr1265 | 927 | ncr1344 | 983 | ncr1421 | 1039 | ncr1504 | 1095 | ncr1585 |
| 872 | ncr1267 | 928 | ncr1345 | 984 | ncr1422 | 1040 | ncr1505 | 1096 | ncr1587 |
| 873 | ncr1268 | 929 | ncr1347 | 985 | ncr1423 | 1041 | ncr1506 | 1097 | ncr1589 |
| 874 | ncr1271 | 930 | ncr1348 | 986 | ncr1424 | 1042 | ncr1507 | 1098 | ncr1590 |
| 875 | ncr1272 | 931 | ncr1351 | 987 | ncr1425 | 1043 | ncr1508 | 1099 | ncr1592 |
| 876 | ncr1273 | 932 | ncr1352 | 988 | ncr1426 | 1044 | ncr1509 | 1100 | ncr1593 |
| 877 | ncr1274 | 933 | ncr1353 | 989 | ncr1427 | 1045 | ncr1510 | 1101 | ncr1594 |
| 878 | ncr1275 | 934 | ncr1355 | 990 | ncr1428 | 1046 | ncr1511 | 1102 | ncr1595 |
| 879 | ncr1276 | 935 | ncr1356 | 991 | ncr1429 | 1047 | ncr1512 | 1103 | ncr1596 |
| 880 | ncr1280 | 936 | ncr1357 | 992 | ncr1430 | 1048 | ncr1513 | 1104 | ncr1597 |
| 881 | ncr1281 | 937 | ncr1360 | 993 | ncr1431 | 1049 | ncr1514 | 1105 | ncr1599 |
| 882 | ncr1282 | 938 | ncr1361 | 994 | ncr1433 | 1050 | ncr1515 | 1106 | ncr1600 |
| 883 | ncr1283 | 939 | ncr1368 | 995 | ncr1434 | 1051 | ncr1516 | 1107 | ncr1601 |
| 884 | ncr1284 | 940 | ncr1369 | 996 | ncr1435 | 1052 | ncr1519 | 1108 | ncr1602 |
| 885 | ncr1285 | 941 | ncr1370 | 997 | ncr1436 | 1053 | ncr1520 | 1109 | ncr1603 |
| 886 | ncr1286 | 942 | ncr1371 | 998 | ncr1437 | 1054 | ncr1522 | 1110 | ncr1604 |
| 887 | ncr1288 | 943 | ncr1372 | 999 | ncr1439 | 1055 | ncr1523 | 1111 | ncr1605 |
| 888 | ncr1289 | 944 | ncr1373 | 1000 | ncr1440 | 1056 | ncr1524 | 1112 | ncr1608 |
| 889 | ncr1290 | 945 | ncr1375 | 1001 | ncr1444 | 1057 | ncr1525 | 1113 | ncr1609 |
| 890 | ncr1291 | 946 | ncr1376 | 1002 | ncr1445 | 1058 | ncr1526 | 1114 | ncr1610 |
| 891 | ncr1292 | 947 | ncr1377 | 1003 | ncr1447 | 1059 | ncr1527 | 1115 | ncr1612 |
| 892 | ncr1293 | 948 | ncr1378 | 1004 | ncr1449 | 1060 | ncr1528 | 1116 | ncr1613 |
| 893 | ncr1294 | 949 | ncr1379 | 1005 | ncr1451 | 1061 | ncr1529 | 1117 | ncr1617 |
| 894 | ncr1295 | 950 | ncr1380 | 1006 | ncr1452 | 1062 | ncr1531 | 1118 | ncr1618 |
| 895 | ncr1296 | 951 | ncr1381 | 1007 | ncr1455 | 1063 | ncr1532 | 1119 | ncr1619 |
| 896 | ncr1297 | 952 | ncr1384 | 1008 | ncr1459 | 1064 | ncr1533 | 1120 | ncr1620 |

Figure 6C – Continued

| | | | | | | | | | |
|------|---------|------|---------|------|---------|------|---------|------|---------|
| 1121 | ncr1622 | 1177 | ncr1701 | 1233 | ncr1778 | 1289 | ncr1863 | 1345 | ncr1942 |
| 1122 | ncr1623 | 1178 | ncr1702 | 1234 | ncr1779 | 1290 | ncr1864 | 1346 | ncr1944 |
| 1123 | ncr1624 | 1179 | ncr1703 | 1235 | ncr1780 | 1291 | ncr1867 | 1347 | ncr1945 |
| 1124 | ncr1627 | 1180 | ncr1704 | 1236 | ncr1781 | 1292 | ncr1868 | 1348 | ncr1948 |
| 1125 | ncr1628 | 1181 | ncr1707 | 1237 | ncr1782 | 1293 | ncr1869 | 1349 | ncr1949 |
| 1126 | ncr1630 | 1182 | ncr1708 | 1238 | ncr1783 | 1294 | ncr1870 | 1350 | ncr1951 |
| 1127 | ncr1631 | 1183 | ncr1709 | 1239 | ncr1784 | 1295 | ncr1871 | 1351 | ncr1953 |
| 1128 | ncr1632 | 1184 | ncr1710 | 1240 | ncr1785 | 1296 | ncr1873 | 1352 | ncr1954 |
| 1129 | ncr1636 | 1185 | ncr1711 | 1241 | ncr1786 | 1297 | ncr1874 | 1353 | ncr1957 |
| 1130 | ncr1637 | 1186 | ncr1712 | 1242 | ncr1787 | 1298 | ncr1875 | 1354 | ncr1959 |
| 1131 | ncr1640 | 1187 | ncr1713 | 1243 | ncr1788 | 1299 | ncr1876 | 1355 | ncr1964 |
| 1132 | ncr1641 | 1188 | ncr1714 | 1244 | ncr1789 | 1300 | ncr1877 | 1356 | ncr1966 |
| 1133 | ncr1644 | 1189 | ncr1715 | 1245 | ncr1791 | 1301 | ncr1879 | 1357 | ncr1967 |
| 1134 | ncr1645 | 1190 | ncr1716 | 1246 | ncr1792 | 1302 | ncr1881 | 1358 | ncr1969 |
| 1135 | ncr1646 | 1191 | ncr1717 | 1247 | ncr1793 | 1303 | ncr1882 | 1359 | ncr1970 |
| 1136 | ncr1648 | 1192 | ncr1718 | 1248 | ncr1794 | 1304 | ncr1883 | 1360 | ncr1971 |
| 1137 | ncr1649 | 1193 | ncr1719 | 1249 | ncr1795 | 1305 | ncr1886 | 1361 | ncr1972 |
| 1138 | ncr1651 | 1194 | ncr1720 | 1250 | ncr1797 | 1306 | ncr1888 | 1362 | ncr1975 |
| 1139 | ncr1652 | 1195 | ncr1723 | 1251 | ncr1798 | 1307 | ncr1889 | 1363 | ncr1976 |
| 1140 | ncr1653 | 1196 | ncr1724 | 1252 | ncr1800 | 1308 | ncr1892 | 1364 | ncr1977 |
| 1141 | ncr1656 | 1197 | ncr1725 | 1253 | ncr1802 | 1309 | ncr1893 | 1365 | ncr1978 |
| 1142 | ncr1657 | 1198 | ncr1726 | 1254 | ncr1803 | 1310 | ncr1894 | 1366 | ncr1980 |
| 1143 | ncr1658 | 1199 | ncr1727 | 1255 | ncr1804 | 1311 | ncr1895 | 1367 | ncr1981 |
| 1144 | ncr1660 | 1200 | ncr1728 | 1256 | ncr1805 | 1312 | ncr1898 | 1368 | ncr1982 |
| 1145 | ncr1661 | 1201 | ncr1731 | 1257 | ncr1806 | 1313 | ncr1900 | 1369 | ncr1983 |
| 1146 | ncr1663 | 1202 | ncr1732 | 1258 | ncr1808 | 1314 | ncr1901 | 1370 | ncr1984 |
| 1147 | ncr1666 | 1203 | ncr1733 | 1259 | ncr1809 | 1315 | ncr1903 | 1371 | ncr1985 |
| 1148 | ncr1667 | 1204 | ncr1735 | 1260 | ncr1811 | 1316 | ncr1904 | 1372 | ncr1988 |
| 1149 | ncr1668 | 1205 | ncr1736 | 1261 | ncr1812 | 1317 | ncr1905 | 1373 | ncr1989 |
| 1150 | ncr1669 | 1206 | ncr1737 | 1262 | ncr1813 | 1318 | ncr1906 | 1374 | ncr1990 |
| 1151 | ncr1671 | 1207 | ncr1739 | 1263 | ncr1814 | 1319 | ncr1907 | 1375 | ncr1992 |
| 1152 | ncr1672 | 1208 | ncr1741 | 1264 | ncr1815 | 1320 | ncr1908 | 1376 | ncr1993 |
| 1153 | ncr1674 | 1209 | ncr1743 | 1265 | ncr1816 | 1321 | ncr1909 | 1377 | ncr1994 |
| 1154 | ncr1675 | 1210 | ncr1744 | 1266 | ncr1817 | 1322 | ncr1910 | 1378 | ncr1996 |
| 1155 | ncr1676 | 1211 | ncr1745 | 1267 | ncr1818 | 1323 | ncr1911 | 1379 | ncr1997 |
| 1156 | ncr1677 | 1212 | ncr1747 | 1268 | ncr1819 | 1324 | ncr1912 | 1380 | ncr1999 |
| 1157 | ncr1678 | 1213 | ncr1748 | 1269 | ncr1820 | 1325 | ncr1913 | 1381 | ncr2000 |
| 1158 | ncr1679 | 1214 | ncr1749 | 1270 | ncr1821 | 1326 | ncr1914 | 1382 | ncr2001 |
| 1159 | ncr1680 | 1215 | ncr1752 | 1271 | ncr1822 | 1327 | ncr1916 | 1383 | ncr2004 |
| 1160 | ncr1681 | 1216 | ncr1753 | 1272 | ncr1824 | 1328 | ncr1917 | 1384 | ncr2005 |
| 1161 | ncr1682 | 1217 | ncr1754 | 1273 | ncr1825 | 1329 | ncr1918 | 1385 | ncr2006 |
| 1162 | ncr1683 | 1218 | ncr1755 | 1274 | ncr1832 | 1330 | ncr1919 | 1386 | ncr2007 |
| 1163 | ncr1684 | 1219 | ncr1756 | 1275 | ncr1833 | 1331 | ncr1920 | 1387 | ncr2009 |
| 1164 | ncr1685 | 1220 | ncr1757 | 1276 | ncr1835 | 1332 | ncr1926 | 1388 | ncr2010 |
| 1165 | ncr1687 | 1221 | ncr1759 | 1277 | ncr1839 | 1333 | ncr1928 | 1389 | ncr2011 |
| 1166 | ncr1688 | 1222 | ncr1760 | 1278 | ncr1841 | 1334 | ncr1929 | 1390 | ncr2012 |
| 1167 | ncr1689 | 1223 | ncr1763 | 1279 | ncr1845 | 1335 | ncr1930 | 1391 | ncr2013 |
| 1168 | ncr1690 | 1224 | ncr1764 | 1280 | ncr1847 | 1336 | ncr1931 | 1392 | ncr2015 |
| 1169 | ncr1692 | 1225 | ncr1765 | 1281 | ncr1848 | 1337 | ncr1932 | 1393 | ncr2016 |
| 1170 | ncr1693 | 1226 | ncr1766 | 1282 | ncr1850 | 1338 | ncr1934 | 1394 | ncr2019 |
| 1171 | ncr1694 | 1227 | ncr1767 | 1283 | ncr1851 | 1339 | ncr1935 | 1395 | ncr2021 |
| 1172 | ncr1695 | 1228 | ncr1768 | 1284 | ncr1855 | 1340 | ncr1936 | 1396 | ncr2025 |
| 1173 | ncr1696 | 1229 | ncr1771 | 1285 | ncr1856 | 1341 | ncr1937 | 1397 | ncr2029 |
| 1174 | ncr1697 | 1230 | ncr1772 | 1286 | ncr1858 | 1342 | ncr1939 | 1398 | ncr2031 |
| 1175 | ncr1699 | 1231 | ncr1774 | 1287 | ncr1861 | 1343 | ncr1940 | 1399 | ncr2033 |
| 1176 | ncr1700 | 1232 | ncr1777 | 1288 | ncr1862 | 1344 | ncr1941 | 1400 | ncr2035 |

Figure 6C – Continued

| | | | | | | | | | |
|------|---------|------|---------|------|---------|------|---------|------|---------|
| 1401 | ncr2036 | 1457 | ncr2135 | 1513 | ncr2213 | 1569 | ncr2290 | 1625 | ncr2382 |
| 1402 | ncr2037 | 1458 | ncr2136 | 1514 | ncr2215 | 1570 | ncr2291 | 1626 | ncr2383 |
| 1403 | ncr2039 | 1459 | ncr2137 | 1515 | ncr2217 | 1571 | ncr2292 | 1627 | ncr2384 |
| 1404 | ncr2040 | 1460 | ncr2138 | 1516 | ncr2219 | 1572 | ncr2293 | 1628 | ncr2386 |
| 1405 | ncr2042 | 1461 | ncr2139 | 1517 | ncr2220 | 1573 | ncr2294 | 1629 | ncr2387 |
| 1406 | ncr2044 | 1462 | ncr2140 | 1518 | ncr2221 | 1574 | ncr2296 | 1630 | ncr2388 |
| 1407 | ncr2045 | 1463 | ncr2141 | 1519 | ncr2223 | 1575 | ncr2297 | 1631 | ncr2389 |
| 1408 | ncr2047 | 1464 | ncr2144 | 1520 | ncr2224 | 1576 | ncr2298 | 1632 | ncr2391 |
| 1409 | ncr2048 | 1465 | ncr2145 | 1521 | ncr2225 | 1577 | ncr2300 | 1633 | ncr2392 |
| 1410 | ncr2049 | 1466 | ncr2146 | 1522 | ncr2227 | 1578 | ncr2301 | 1634 | ncr2394 |
| 1411 | ncr2050 | 1467 | ncr2147 | 1523 | ncr2228 | 1579 | ncr2302 | 1635 | ncr2395 |
| 1412 | ncr2051 | 1468 | ncr2148 | 1524 | ncr2231 | 1580 | ncr2304 | 1636 | ncr2396 |
| 1413 | ncr2052 | 1469 | ncr2149 | 1525 | ncr2232 | 1581 | ncr2307 | 1637 | ncr2397 |
| 1414 | ncr2054 | 1470 | ncr2152 | 1526 | ncr2233 | 1582 | ncr2308 | 1638 | ncr2398 |
| 1415 | ncr2055 | 1471 | ncr2153 | 1527 | ncr2234 | 1583 | ncr2309 | 1639 | ncr2400 |
| 1416 | ncr2056 | 1472 | ncr2156 | 1528 | ncr2237 | 1584 | ncr2312 | 1640 | ncr2404 |
| 1417 | ncr2058 | 1473 | ncr2157 | 1529 | ncr2239 | 1585 | ncr2315 | 1641 | ncr2407 |
| 1418 | ncr2059 | 1474 | ncr2158 | 1530 | ncr2240 | 1586 | ncr2318 | 1642 | ncr2408 |
| 1419 | ncr2060 | 1475 | ncr2159 | 1531 | ncr2241 | 1587 | ncr2319 | 1643 | ncr2409 |
| 1420 | ncr2061 | 1476 | ncr2160 | 1532 | ncr2242 | 1588 | ncr2321 | 1644 | ncr2411 |
| 1421 | ncr2062 | 1477 | ncr2161 | 1533 | ncr2243 | 1589 | ncr2324 | 1645 | ncr2413 |
| 1422 | ncr2063 | 1478 | ncr2163 | 1534 | ncr2245 | 1590 | ncr2328 | 1646 | ncr2415 |
| 1423 | ncr2066 | 1479 | ncr2164 | 1535 | ncr2248 | 1591 | ncr2329 | 1647 | ncr2417 |
| 1424 | ncr2068 | 1480 | ncr2165 | 1536 | ncr2250 | 1592 | ncr2330 | 1648 | ncr2419 |
| 1425 | ncr2070 | 1481 | ncr2168 | 1537 | ncr2251 | 1593 | ncr2335 | 1649 | ncr2421 |
| 1426 | ncr2072 | 1482 | ncr2170 | 1538 | ncr2252 | 1594 | ncr2337 | 1650 | ncr2422 |
| 1427 | ncr2073 | 1483 | ncr2171 | 1539 | ncr2253 | 1595 | ncr2339 | 1651 | ncr2423 |
| 1428 | ncr2079 | 1484 | ncr2172 | 1540 | ncr2254 | 1596 | ncr2341 | 1652 | ncr2425 |
| 1429 | ncr2081 | 1485 | ncr2173 | 1541 | ncr2255 | 1597 | ncr2343 | 1653 | ncr2426 |
| 1430 | ncr2083 | 1486 | ncr2174 | 1542 | ncr2256 | 1598 | ncr2344 | 1654 | ncr2427 |
| 1431 | ncr2084 | 1487 | ncr2175 | 1543 | ncr2257 | 1599 | ncr2349 | 1655 | ncr2428 |
| 1432 | ncr2087 | 1488 | ncr2176 | 1544 | ncr2258 | 1600 | ncr2350 | 1656 | ncr2429 |
| 1433 | ncr2088 | 1489 | ncr2178 | 1545 | ncr2260 | 1601 | ncr2351 | 1657 | ncr2430 |
| 1434 | ncr2089 | 1490 | ncr2179 | 1546 | ncr2261 | 1602 | ncr2352 | 1658 | ncr2431 |
| 1435 | ncr2091 | 1491 | ncr2180 | 1547 | ncr2262 | 1603 | ncr2353 | 1659 | ncr2432 |
| 1436 | ncr2092 | 1492 | ncr2181 | 1548 | ncr2264 | 1604 | ncr2354 | 1660 | ncr2433 |
| 1437 | ncr2094 | 1493 | ncr2182 | 1549 | ncr2265 | 1605 | ncr2355 | 1661 | ncr2434 |
| 1438 | ncr2095 | 1494 | ncr2186 | 1550 | ncr2267 | 1606 | ncr2358 | 1662 | ncr2437 |
| 1439 | ncr2096 | 1495 | ncr2187 | 1551 | ncr2268 | 1607 | ncr2359 | 1663 | ncr2440 |
| 1440 | ncr2097 | 1496 | ncr2188 | 1552 | ncr2269 | 1608 | ncr2360 | 1664 | ncr2442 |
| 1441 | ncr2098 | 1497 | ncr2189 | 1553 | ncr2270 | 1609 | ncr2361 | 1665 | ncr2443 |
| 1442 | ncr2099 | 1498 | ncr2190 | 1554 | ncr2272 | 1610 | ncr2363 | 1666 | ncr2447 |
| 1443 | ncr2100 | 1499 | ncr2191 | 1555 | ncr2273 | 1611 | ncr2365 | 1667 | ncr2448 |
| 1444 | ncr2102 | 1500 | ncr2193 | 1556 | ncr2275 | 1612 | ncr2366 | 1668 | ncr2449 |
| 1445 | ncr2104 | 1501 | ncr2194 | 1557 | ncr2277 | 1613 | ncr2367 | 1669 | ncr2450 |
| 1446 | ncr2105 | 1502 | ncr2195 | 1558 | ncr2278 | 1614 | ncr2368 | 1670 | ncr2451 |
| 1447 | ncr2110 | 1503 | ncr2197 | 1559 | ncr2280 | 1615 | ncr2369 | 1671 | ncr2452 |
| 1448 | ncr2112 | 1504 | ncr2198 | 1560 | ncr2281 | 1616 | ncr2370 | 1672 | ncr2453 |
| 1449 | ncr2115 | 1505 | ncr2199 | 1561 | ncr2282 | 1617 | ncr2371 | 1673 | ncr2454 |
| 1450 | ncr2119 | 1506 | ncr2201 | 1562 | ncr2283 | 1618 | ncr2373 | 1674 | ncr2455 |
| 1451 | ncr2123 | 1507 | ncr2203 | 1563 | ncr2284 | 1619 | ncr2375 | 1675 | ncr2456 |
| 1452 | ncr2124 | 1508 | ncr2205 | 1564 | ncr2285 | 1620 | ncr2376 | 1676 | ncr2457 |
| 1453 | ncr2125 | 1509 | ncr2206 | 1565 | ncr2286 | 1621 | ncr2377 | 1677 | ncr2458 |
| 1454 | ncr2127 | 1510 | ncr2207 | 1566 | ncr2287 | 1622 | ncr2379 | 1678 | ncr2459 |
| 1455 | ncr2129 | 1511 | ncr2208 | 1567 | ncr2288 | 1623 | ncr2380 | 1679 | ncr2460 |
| 1456 | ncr2131 | 1512 | ncr2212 | 1568 | ncr2289 | 1624 | ncr2381 | 1680 | ncr2461 |

Figure 6C - Continued

| | | | | | | | | | |
|------|---------|------|---------|------|---------|------|---------|------|---------|
| 1681 | ncr2462 | 1737 | ncr2539 | 1793 | ncr2619 | 1849 | ncr2708 | 1905 | ncr2797 |
| 1682 | ncr2463 | 1738 | ncr2540 | 1794 | ncr2620 | 1850 | ncr2712 | 1906 | ncr2798 |
| 1683 | ncr2464 | 1739 | ncr2541 | 1795 | ncr2621 | 1851 | ncr2713 | 1907 | ncr2801 |
| 1684 | ncr2465 | 1740 | ncr2543 | 1796 | ncr2623 | 1852 | ncr2714 | 1908 | ncr2803 |
| 1685 | ncr2466 | 1741 | ncr2544 | 1797 | ncr2624 | 1853 | ncr2715 | 1909 | ncr2805 |
| 1686 | ncr2467 | 1742 | ncr2545 | 1798 | ncr2628 | 1854 | ncr2717 | 1910 | ncr2807 |
| 1687 | ncr2469 | 1743 | ncr2547 | 1799 | ncr2629 | 1855 | ncr2721 | 1911 | ncr2808 |
| 1688 | ncr2470 | 1744 | ncr2549 | 1800 | ncr2631 | 1856 | ncr2722 | 1912 | ncr2809 |
| 1689 | ncr2472 | 1745 | ncr2550 | 1801 | ncr2632 | 1857 | ncr2723 | 1913 | ncr2810 |
| 1690 | ncr2473 | 1746 | ncr2553 | 1802 | ncr2634 | 1858 | ncr2724 | 1914 | ncr2811 |
| 1691 | ncr2474 | 1747 | ncr2554 | 1803 | ncr2635 | 1859 | ncr2725 | 1915 | ncr2812 |
| 1692 | ncr2475 | 1748 | ncr2556 | 1804 | ncr2636 | 1860 | ncr2727 | 1916 | ncr2813 |
| 1693 | ncr2476 | 1749 | ncr2559 | 1805 | ncr2638 | 1861 | ncr2728 | 1917 | ncr2815 |
| 1694 | ncr2477 | 1750 | ncr2560 | 1806 | ncr2639 | 1862 | ncr2730 | 1918 | ncr2817 |
| 1695 | ncr2478 | 1751 | ncr2561 | 1807 | ncr2640 | 1863 | ncr2731 | 1919 | ncr2818 |
| 1696 | ncr2480 | 1752 | ncr2563 | 1808 | ncr2642 | 1864 | ncr2732 | 1920 | ncr2820 |
| 1697 | ncr2481 | 1753 | ncr2564 | 1809 | ncr2643 | 1865 | ncr2733 | 1921 | ncr2823 |
| 1698 | ncr2482 | 1754 | ncr2566 | 1810 | ncr2644 | 1866 | ncr2734 | 1922 | ncr2824 |
| 1699 | ncr2483 | 1755 | ncr2567 | 1811 | ncr2645 | 1867 | ncr2735 | 1923 | ncr2826 |
| 1700 | ncr2484 | 1756 | ncr2568 | 1812 | ncr2646 | 1868 | ncr2736 | 1924 | ncr2827 |
| 1701 | ncr2486 | 1757 | ncr2569 | 1813 | ncr2647 | 1869 | ncr2737 | 1925 | ncr2829 |
| 1702 | ncr2487 | 1758 | ncr2570 | 1814 | ncr2648 | 1870 | ncr2738 | 1926 | ncr2830 |
| 1703 | ncr2488 | 1759 | ncr2571 | 1815 | ncr2650 | 1871 | ncr2739 | 1927 | ncr2832 |
| 1704 | ncr2489 | 1760 | ncr2573 | 1816 | ncr2652 | 1872 | ncr2740 | 1928 | ncr2833 |
| 1705 | ncr2490 | 1761 | ncr2574 | 1817 | ncr2653 | 1873 | ncr2743 | 1929 | ncr2834 |
| 1706 | ncr2492 | 1762 | ncr2575 | 1818 | ncr2654 | 1874 | ncr2749 | 1930 | ncr2835 |
| 1707 | ncr2493 | 1763 | ncr2576 | 1819 | ncr2657 | 1875 | ncr2750 | 1931 | ncr2836 |
| 1708 | ncr2494 | 1764 | ncr2577 | 1820 | ncr2658 | 1876 | ncr2751 | 1932 | ncr2837 |
| 1709 | ncr2495 | 1765 | ncr2579 | 1821 | ncr2659 | 1877 | ncr2752 | 1933 | ncr2838 |
| 1710 | ncr2496 | 1766 | ncr2580 | 1822 | ncr2660 | 1878 | ncr2756 | 1934 | ncr2840 |
| 1711 | ncr2499 | 1767 | ncr2581 | 1823 | ncr2662 | 1879 | ncr2757 | 1935 | ncr2842 |
| 1712 | ncr2501 | 1768 | ncr2583 | 1824 | ncr2663 | 1880 | ncr2760 | 1936 | ncr2844 |
| 1713 | ncr2503 | 1769 | ncr2584 | 1825 | ncr2664 | 1881 | ncr2761 | 1937 | ncr2845 |
| 1714 | ncr2505 | 1770 | ncr2585 | 1826 | ncr2665 | 1882 | ncr2762 | 1938 | ncr2847 |
| 1715 | ncr2507 | 1771 | ncr2586 | 1827 | ncr2666 | 1883 | ncr2763 | 1939 | ncr2848 |
| 1716 | ncr2508 | 1772 | ncr2587 | 1828 | ncr2668 | 1884 | ncr2764 | 1940 | ncr2850 |
| 1717 | ncr2511 | 1773 | ncr2588 | 1829 | ncr2670 | 1885 | ncr2765 | 1941 | ncr2851 |
| 1718 | ncr2512 | 1774 | ncr2589 | 1830 | ncr2671 | 1886 | ncr2767 | 1942 | ncr2853 |
| 1719 | ncr2513 | 1775 | ncr2590 | 1831 | ncr2679 | 1887 | ncr2768 | 1943 | ncr2854 |
| 1720 | ncr2516 | 1776 | ncr2591 | 1832 | ncr2681 | 1888 | ncr2770 | 1944 | ncr2855 |
| 1721 | ncr2519 | 1777 | ncr2594 | 1833 | ncr2682 | 1889 | ncr2771 | 1945 | ncr2856 |
| 1722 | ncr2520 | 1778 | ncr2595 | 1834 | ncr2684 | 1890 | ncr2772 | 1946 | ncr2857 |
| 1723 | ncr2522 | 1779 | ncr2596 | 1835 | ncr2685 | 1891 | ncr2773 | 1947 | ncr2859 |
| 1724 | ncr2523 | 1780 | ncr2599 | 1836 | ncr2687 | 1892 | ncr2774 | 1948 | ncr2861 |
| 1725 | ncr2524 | 1781 | ncr2600 | 1837 | ncr2691 | 1893 | ncr2775 | 1949 | ncr2862 |
| 1726 | ncr2525 | 1782 | ncr2601 | 1838 | ncr2692 | 1894 | ncr2776 | 1950 | ncr2863 |
| 1727 | ncr2527 | 1783 | ncr2603 | 1839 | ncr2693 | 1895 | ncr2778 | 1951 | ncr2864 |
| 1728 | ncr2528 | 1784 | ncr2604 | 1840 | ncr2695 | 1896 | ncr2779 | 1952 | ncr2865 |
| 1729 | ncr2530 | 1785 | ncr2605 | 1841 | ncr2696 | 1897 | ncr2780 | 1953 | ncr2866 |
| 1730 | ncr2531 | 1786 | ncr2607 | 1842 | ncr2697 | 1898 | ncr2783 | 1954 | ncr2867 |
| 1731 | ncr2532 | 1787 | ncr2608 | 1843 | ncr2698 | 1899 | ncr2784 | 1955 | ncr2868 |
| 1732 | ncr2533 | 1788 | ncr2609 | 1844 | ncr2700 | 1900 | ncr2785 | 1956 | ncr2869 |
| 1733 | ncr2534 | 1789 | ncr2612 | 1845 | ncr2701 | 1901 | ncr2789 | 1957 | ncr2870 |
| 1734 | ncr2535 | 1790 | ncr2613 | 1846 | ncr2703 | 1902 | ncr2792 | 1958 | ncr2872 |
| 1735 | ncr2536 | 1791 | ncr2616 | 1847 | ncr2705 | 1903 | ncr2793 | 1959 | ncr2873 |
| 1736 | ncr2538 | 1792 | ncr2617 | 1848 | ncr2707 | 1904 | ncr2795 | 1960 | ncr2874 |

Figure 6C – Continued

| | | | | | | | | | |
|------|---------|------|---------|------|---------|------|---------|------|---------|
| 1961 | ncr2876 | 2017 | ncr2963 | 2073 | ncr3037 | 2129 | ncr3113 | 2185 | ncr3195 |
| 1962 | ncr2877 | 2018 | ncr2964 | 2074 | ncr3038 | 2130 | ncr3115 | 2186 | ncr3196 |
| 1963 | ncr2878 | 2019 | ncr2965 | 2075 | ncr3039 | 2131 | ncr3116 | 2187 | ncr3197 |
| 1964 | ncr2879 | 2020 | ncr2966 | 2076 | ncr3040 | 2132 | ncr3117 | 2188 | ncr3199 |
| 1965 | ncr2880 | 2021 | ncr2967 | 2077 | ncr3041 | 2133 | ncr3118 | 2189 | ncr3201 |
| 1966 | ncr2883 | 2022 | ncr2968 | 2078 | ncr3042 | 2134 | ncr3119 | 2190 | ncr3202 |
| 1967 | ncr2885 | 2023 | ncr2969 | 2079 | ncr3044 | 2135 | ncr3120 | 2191 | ncr3203 |
| 1968 | ncr2888 | 2024 | ncr2971 | 2080 | ncr3045 | 2136 | ncr3121 | 2192 | ncr3204 |
| 1969 | ncr2892 | 2025 | ncr2972 | 2081 | ncr3046 | 2137 | ncr3122 | 2193 | ncr3206 |
| 1970 | ncr2893 | 2026 | ncr2973 | 2082 | ncr3047 | 2138 | ncr3123 | 2194 | ncr3207 |
| 1971 | ncr2895 | 2027 | ncr2974 | 2083 | ncr3048 | 2139 | ncr3124 | 2195 | ncr3208 |
| 1972 | ncr2896 | 2028 | ncr2975 | 2084 | ncr3049 | 2140 | ncr3125 | 2196 | ncr3209 |
| 1973 | ncr2898 | 2029 | ncr2976 | 2085 | ncr3050 | 2141 | ncr3126 | 2197 | ncr3210 |
| 1974 | ncr2899 | 2030 | ncr2977 | 2086 | ncr3051 | 2142 | ncr3128 | 2198 | ncr3211 |
| 1975 | ncr2901 | 2031 | ncr2979 | 2087 | ncr3052 | 2143 | ncr3130 | 2199 | ncr3213 |
| 1976 | ncr2905 | 2032 | ncr2982 | 2088 | ncr3053 | 2144 | ncr3135 | 2200 | ncr3214 |
| 1977 | ncr2906 | 2033 | ncr2983 | 2089 | ncr3055 | 2145 | ncr3137 | 2201 | ncr3215 |
| 1978 | ncr2908 | 2034 | ncr2984 | 2090 | ncr3058 | 2146 | ncr3138 | 2202 | ncr3216 |
| 1979 | ncr2909 | 2035 | ncr2987 | 2091 | ncr3059 | 2147 | ncr3139 | 2203 | ncr3217 |
| 1980 | ncr2910 | 2036 | ncr2990 | 2092 | ncr3060 | 2148 | ncr3140 | 2204 | ncr3218 |
| 1981 | ncr2911 | 2037 | ncr2993 | 2093 | ncr3061 | 2149 | ncr3141 | 2205 | ncr3219 |
| 1982 | ncr2913 | 2038 | ncr2994 | 2094 | ncr3062 | 2150 | ncr3143 | 2206 | ncr3220 |
| 1983 | ncr2916 | 2039 | ncr2995 | 2095 | ncr3063 | 2151 | ncr3144 | 2207 | ncr3223 |
| 1984 | ncr2918 | 2040 | ncr2996 | 2096 | ncr3065 | 2152 | ncr3145 | 2208 | ncr3224 |
| 1985 | ncr2920 | 2041 | ncr2997 | 2097 | ncr3066 | 2153 | ncr3147 | 2209 | ncr3225 |
| 1986 | ncr2922 | 2042 | ncr2999 | 2098 | ncr3068 | 2154 | ncr3148 | 2210 | ncr3226 |
| 1987 | ncr2923 | 2043 | ncr3000 | 2099 | ncr3070 | 2155 | ncr3149 | 2211 | ncr3229 |
| 1988 | ncr2925 | 2044 | ncr3001 | 2100 | ncr3071 | 2156 | ncr3150 | 2212 | ncr3230 |
| 1989 | ncr2926 | 2045 | ncr3002 | 2101 | ncr3072 | 2157 | ncr3152 | 2213 | ncr3231 |
| 1990 | ncr2927 | 2046 | ncr3003 | 2102 | ncr3073 | 2158 | ncr3154 | 2214 | ncr3233 |
| 1991 | ncr2928 | 2047 | ncr3005 | 2103 | ncr3075 | 2159 | ncr3156 | 2215 | ncr3234 |
| 1992 | ncr2929 | 2048 | ncr3007 | 2104 | ncr3076 | 2160 | ncr3158 | 2216 | ncr3235 |
| 1993 | ncr2930 | 2049 | ncr3008 | 2105 | ncr3077 | 2161 | ncr3159 | 2217 | ncr3236 |
| 1994 | ncr2931 | 2050 | ncr3012 | 2106 | ncr3079 | 2162 | ncr3160 | 2218 | ncr3237 |
| 1995 | ncr2932 | 2051 | ncr3013 | 2107 | ncr3080 | 2163 | ncr3162 | 2219 | ncr3238 |
| 1996 | ncr2934 | 2052 | ncr3015 | 2108 | ncr3083 | 2164 | ncr3163 | 2220 | ncr3239 |
| 1997 | ncr2935 | 2053 | ncr3016 | 2109 | ncr3084 | 2165 | ncr3164 | 2221 | ncr3240 |
| 1998 | ncr2936 | 2054 | ncr3017 | 2110 | ncr3085 | 2166 | ncr3165 | 2222 | ncr3241 |
| 1999 | ncr2937 | 2055 | ncr3018 | 2111 | ncr3087 | 2167 | ncr3167 | 2223 | ncr3242 |
| 2000 | ncr2939 | 2056 | ncr3019 | 2112 | ncr3088 | 2168 | ncr3168 | 2224 | ncr3244 |
| 2001 | ncr2940 | 2057 | ncr3020 | 2113 | ncr3090 | 2169 | ncr3169 | 2225 | ncr3245 |
| 2002 | ncr2942 | 2058 | ncr3021 | 2114 | ncr3091 | 2170 | ncr3171 | 2226 | ncr3246 |
| 2003 | ncr2944 | 2059 | ncr3022 | 2115 | ncr3092 | 2171 | ncr3172 | 2227 | ncr3248 |
| 2004 | ncr2945 | 2060 | ncr3023 | 2116 | ncr3093 | 2172 | ncr3177 | 2228 | ncr3249 |
| 2005 | ncr2946 | 2061 | ncr3024 | 2117 | ncr3096 | 2173 | ncr3179 | 2229 | ncr3250 |
| 2006 | ncr2947 | 2062 | ncr3026 | 2118 | ncr3097 | 2174 | ncr3181 | 2230 | ncr3251 |
| 2007 | ncr2949 | 2063 | ncr3027 | 2119 | ncr3100 | 2175 | ncr3182 | 2231 | ncr3252 |
| 2008 | ncr2951 | 2064 | ncr3028 | 2120 | ncr3101 | 2176 | ncr3184 | 2232 | ncr3253 |
| 2009 | ncr2952 | 2065 | ncr3029 | 2121 | ncr3103 | 2177 | ncr3185 | 2233 | ncr3254 |
| 2010 | ncr2953 | 2066 | ncr3030 | 2122 | ncr3104 | 2178 | ncr3186 | 2234 | ncr3255 |
| 2011 | ncr2954 | 2067 | ncr3031 | 2123 | ncr3105 | 2179 | ncr3188 | 2235 | ncr3257 |
| 2012 | ncr2955 | 2068 | ncr3032 | 2124 | ncr3106 | 2180 | ncr3189 | 2236 | ncr3258 |
| 2013 | ncr2956 | 2069 | ncr3033 | 2125 | ncr3107 | 2181 | ncr3191 | 2237 | ncr3259 |
| 2014 | ncr2957 | 2070 | ncr3034 | 2126 | ncr3109 | 2182 | ncr3192 | 2238 | ncr3260 |
| 2015 | ncr2958 | 2071 | ncr3035 | 2127 | ncr3110 | 2183 | ncr3193 | 2239 | ncr3262 |
| 2016 | ncr2961 | 2072 | ncr3036 | 2128 | ncr3112 | 2184 | ncr3194 | 2240 | ncr3263 |

Figure 6C – Continued

| | | | | | | | | | |
|------|---------|------|---------|------|---------|------|---------|------|---------|
| 2241 | ncr3264 | 2297 | ncr3360 | 2353 | ncr3444 | 2409 | ncr3530 | 2465 | ncr3613 |
| 2242 | ncr3267 | 2298 | ncr3361 | 2354 | ncr3445 | 2410 | ncr3532 | 2466 | ncr3614 |
| 2243 | ncr3268 | 2299 | ncr3363 | 2355 | ncr3452 | 2411 | ncr3534 | 2467 | ncr3615 |
| 2244 | ncr3271 | 2300 | ncr3365 | 2356 | ncr3454 | 2412 | ncr3535 | 2468 | ncr3616 |
| 2245 | ncr3272 | 2301 | ncr3368 | 2357 | ncr3455 | 2413 | ncr3537 | 2469 | ncr3617 |
| 2246 | ncr3276 | 2302 | ncr3369 | 2358 | ncr3456 | 2414 | ncr3538 | 2470 | ncr3619 |
| 2247 | ncr3281 | 2303 | ncr3370 | 2359 | ncr3457 | 2415 | ncr3539 | 2471 | ncr3620 |
| 2248 | ncr3284 | 2304 | ncr3372 | 2360 | ncr3459 | 2416 | ncr3541 | 2472 | ncr3622 |
| 2249 | ncr3285 | 2305 | ncr3373 | 2361 | ncr3460 | 2417 | ncr3544 | 2473 | ncr3623 |
| 2250 | ncr3286 | 2306 | ncr3375 | 2362 | ncr3464 | 2418 | ncr3545 | 2474 | ncr3624 |
| 2251 | ncr3287 | 2307 | ncr3376 | 2363 | ncr3465 | 2419 | ncr3549 | 2475 | ncr3626 |
| 2252 | ncr3288 | 2308 | ncr3378 | 2364 | ncr3467 | 2420 | ncr3550 | 2476 | ncr3627 |
| 2253 | ncr3290 | 2309 | ncr3379 | 2365 | ncr3468 | 2421 | ncr3551 | 2477 | ncr3628 |
| 2254 | ncr3291 | 2310 | ncr3380 | 2366 | ncr3469 | 2422 | ncr3553 | 2478 | ncr3630 |
| 2255 | ncr3292 | 2311 | ncr3381 | 2367 | ncr3471 | 2423 | ncr3556 | 2479 | ncr3631 |
| 2256 | ncr3295 | 2312 | ncr3383 | 2368 | ncr3473 | 2424 | ncr3557 | 2480 | ncr3635 |
| 2257 | ncr3297 | 2313 | ncr3384 | 2369 | ncr3474 | 2425 | ncr3559 | 2481 | ncr3636 |
| 2258 | ncr3299 | 2314 | ncr3385 | 2370 | ncr3475 | 2426 | ncr3560 | 2482 | ncr3640 |
| 2259 | ncr3301 | 2315 | ncr3386 | 2371 | ncr3476 | 2427 | ncr3564 | 2483 | ncr3641 |
| 2260 | ncr3302 | 2316 | ncr3389 | 2372 | ncr3477 | 2428 | ncr3565 | 2484 | ncr3642 |
| 2261 | ncr3304 | 2317 | ncr3391 | 2373 | ncr3479 | 2429 | ncr3566 | 2485 | ncr3644 |
| 2262 | ncr3305 | 2318 | ncr3393 | 2374 | ncr3482 | 2430 | ncr3568 | 2486 | ncr3646 |
| 2263 | ncr3306 | 2319 | ncr3394 | 2375 | ncr3483 | 2431 | ncr3569 | 2487 | ncr3648 |
| 2264 | ncr3308 | 2320 | ncr3395 | 2376 | ncr3485 | 2432 | ncr3570 | 2488 | ncr3649 |
| 2265 | ncr3311 | 2321 | ncr3396 | 2377 | ncr3488 | 2433 | ncr3571 | 2489 | ncr3651 |
| 2266 | ncr3312 | 2322 | ncr3397 | 2378 | ncr3489 | 2434 | ncr3573 | 2490 | ncr3652 |
| 2267 | ncr3313 | 2323 | ncr3398 | 2379 | ncr3490 | 2435 | ncr3575 | 2491 | ncr3653 |
| 2268 | ncr3314 | 2324 | ncr3400 | 2380 | ncr3491 | 2436 | ncr3576 | 2492 | ncr3655 |
| 2269 | ncr3315 | 2325 | ncr3401 | 2381 | ncr3492 | 2437 | ncr3577 | 2493 | ncr3656 |
| 2270 | ncr3316 | 2326 | ncr3402 | 2382 | ncr3493 | 2438 | ncr3578 | 2494 | ncr3657 |
| 2271 | ncr3318 | 2327 | ncr3404 | 2383 | ncr3494 | 2439 | ncr3579 | 2495 | ncr3658 |
| 2272 | ncr3319 | 2328 | ncr3405 | 2384 | ncr3495 | 2440 | ncr3580 | 2496 | ncr3660 |
| 2273 | ncr3322 | 2329 | ncr3407 | 2385 | ncr3496 | 2441 | ncr3581 | 2497 | ncr3661 |
| 2274 | ncr3324 | 2330 | ncr3409 | 2386 | ncr3498 | 2442 | ncr3585 | 2498 | ncr3664 |
| 2275 | ncr3325 | 2331 | ncr3411 | 2387 | ncr3499 | 2443 | ncr3587 | 2499 | ncr3665 |
| 2276 | ncr3326 | 2332 | ncr3412 | 2388 | ncr3500 | 2444 | ncr3588 | 2500 | ncr3667 |
| 2277 | ncr3327 | 2333 | ncr3414 | 2389 | ncr3501 | 2445 | ncr3589 | 2501 | ncr3668 |
| 2278 | ncr3328 | 2334 | ncr3415 | 2390 | ncr3502 | 2446 | ncr3590 | 2502 | ncr3669 |
| 2279 | ncr3330 | 2335 | ncr3416 | 2391 | ncr3503 | 2447 | ncr3591 | 2503 | ncr3671 |
| 2280 | ncr3332 | 2336 | ncr3417 | 2392 | ncr3506 | 2448 | ncr3592 | 2504 | ncr3673 |
| 2281 | ncr3333 | 2337 | ncr3419 | 2393 | ncr3507 | 2449 | ncr3594 | 2505 | ncr3674 |
| 2282 | ncr3338 | 2338 | ncr3420 | 2394 | ncr3508 | 2450 | ncr3596 | 2506 | ncr3675 |
| 2283 | ncr3339 | 2339 | ncr3421 | 2395 | ncr3509 | 2451 | ncr3597 | 2507 | ncr3676 |
| 2284 | ncr3340 | 2340 | ncr3422 | 2396 | ncr3510 | 2452 | ncr3598 | 2508 | ncr3677 |
| 2285 | ncr3341 | 2341 | ncr3423 | 2397 | ncr3511 | 2453 | ncr3599 | 2509 | ncr3680 |
| 2286 | ncr3343 | 2342 | ncr3429 | 2398 | ncr3516 | 2454 | ncr3602 | 2510 | ncr3682 |
| 2287 | ncr3345 | 2343 | ncr3431 | 2399 | ncr3519 | 2455 | ncr3603 | 2511 | ncr3683 |
| 2288 | ncr3346 | 2344 | ncr3432 | 2400 | ncr3520 | 2456 | ncr3604 | 2512 | ncr3684 |
| 2289 | ncr3348 | 2345 | ncr3433 | 2401 | ncr3522 | 2457 | ncr3605 | 2513 | ncr3685 |
| 2290 | ncr3349 | 2346 | ncr3434 | 2402 | ncr3523 | 2458 | ncr3606 | 2514 | ncr3686 |
| 2291 | ncr3350 | 2347 | ncr3435 | 2403 | ncr3524 | 2459 | ncr3607 | 2515 | ncr3687 |
| 2292 | ncr3352 | 2348 | ncr3436 | 2404 | ncr3525 | 2460 | ncr3608 | 2516 | ncr3688 |
| 2293 | ncr3356 | 2349 | ncr3437 | 2405 | ncr3526 | 2461 | ncr3609 | 2517 | ncr3690 |
| 2294 | ncr3357 | 2350 | ncr3441 | 2406 | ncr3527 | 2462 | ncr3610 | 2518 | ncr3691 |
| 2295 | ncr3358 | 2351 | ncr3442 | 2407 | ncr3528 | 2463 | ncr3611 | 2519 | ncr3693 |
| 2296 | ncr3359 | 2352 | ncr3443 | 2408 | ncr3529 | 2464 | ncr3612 | 2520 | ncr3694 |

Figure 6C - Continued

| | | | | | | | | | |
|------|---------|------|---------|------|---------|------|---------|------|---------|
| 2521 | ncr3696 | 2577 | ncr3776 | 2633 | ncr3849 | 2689 | ncr3934 | 2745 | ncr4010 |
| 2522 | ncr3697 | 2578 | ncr3777 | 2634 | ncr3851 | 2690 | ncr3935 | 2746 | ncr4011 |
| 2523 | ncr3698 | 2579 | ncr3778 | 2635 | ncr3852 | 2691 | ncr3936 | 2747 | ncr4012 |
| 2524 | ncr3699 | 2580 | ncr3779 | 2636 | ncr3853 | 2692 | ncr3937 | 2748 | ncr4013 |
| 2525 | ncr3700 | 2581 | ncr3780 | 2637 | ncr3854 | 2693 | ncr3940 | 2749 | ncr4015 |
| 2526 | ncr3701 | 2582 | ncr3781 | 2638 | ncr3855 | 2694 | ncr3941 | 2750 | ncr4017 |
| 2527 | ncr3702 | 2583 | ncr3782 | 2639 | ncr3856 | 2695 | ncr3943 | 2751 | ncr4018 |
| 2528 | ncr3704 | 2584 | ncr3783 | 2640 | ncr3857 | 2696 | ncr3944 | 2752 | ncr4020 |
| 2529 | ncr3705 | 2585 | ncr3785 | 2641 | ncr3858 | 2697 | ncr3945 | 2753 | ncr4021 |
| 2530 | ncr3706 | 2586 | ncr3787 | 2642 | ncr3859 | 2698 | ncr3948 | 2754 | ncr4022 |
| 2531 | ncr3707 | 2587 | ncr3788 | 2643 | ncr3861 | 2699 | ncr3949 | 2755 | ncr4025 |
| 2532 | ncr3709 | 2588 | ncr3789 | 2644 | ncr3863 | 2700 | ncr3950 | 2756 | ncr4026 |
| 2533 | ncr3710 | 2589 | ncr3790 | 2645 | ncr3864 | 2701 | ncr3951 | 2757 | ncr4029 |
| 2534 | ncr3713 | 2590 | ncr3791 | 2646 | ncr3865 | 2702 | ncr3952 | 2758 | ncr4030 |
| 2535 | ncr3714 | 2591 | ncr3793 | 2647 | ncr3868 | 2703 | ncr3953 | 2759 | ncr4032 |
| 2536 | ncr3715 | 2592 | ncr3794 | 2648 | ncr3869 | 2704 | ncr3954 | 2760 | ncr4033 |
| 2537 | ncr3716 | 2593 | ncr3795 | 2649 | ncr3871 | 2705 | ncr3955 | 2761 | ncr4035 |
| 2538 | ncr3717 | 2594 | ncr3797 | 2650 | ncr3872 | 2706 | ncr3956 | 2762 | ncr4036 |
| 2539 | ncr3718 | 2595 | ncr3798 | 2651 | ncr3874 | 2707 | ncr3957 | 2763 | ncr4037 |
| 2540 | ncr3720 | 2596 | ncr3799 | 2652 | ncr3876 | 2708 | ncr3959 | 2764 | ncr4039 |
| 2541 | ncr3722 | 2597 | ncr3800 | 2653 | ncr3877 | 2709 | ncr3960 | 2765 | ncr4040 |
| 2542 | ncr3724 | 2598 | ncr3803 | 2654 | ncr3878 | 2710 | ncr3961 | 2766 | ncr4041 |
| 2543 | ncr3725 | 2599 | ncr3804 | 2655 | ncr3879 | 2711 | ncr3962 | 2767 | ncr4045 |
| 2544 | ncr3726 | 2600 | ncr3805 | 2656 | ncr3880 | 2712 | ncr3963 | 2768 | ncr4046 |
| 2545 | ncr3727 | 2601 | ncr3806 | 2657 | ncr3882 | 2713 | ncr3964 | 2769 | ncr4048 |
| 2546 | ncr3728 | 2602 | ncr3807 | 2658 | ncr3883 | 2714 | ncr3965 | 2770 | ncr4050 |
| 2547 | ncr3729 | 2603 | ncr3808 | 2659 | ncr3885 | 2715 | ncr3968 | 2771 | ncr4051 |
| 2548 | ncr3730 | 2604 | ncr3809 | 2660 | ncr3886 | 2716 | ncr3970 | 2772 | ncr4052 |
| 2549 | ncr3731 | 2605 | ncr3810 | 2661 | ncr3887 | 2717 | ncr3971 | 2773 | ncr4053 |
| 2550 | ncr3732 | 2606 | ncr3811 | 2662 | ncr3891 | 2718 | ncr3972 | 2774 | ncr4055 |
| 2551 | ncr3733 | 2607 | ncr3814 | 2663 | ncr3893 | 2719 | ncr3973 | 2775 | ncr4056 |
| 2552 | ncr3734 | 2608 | ncr3815 | 2664 | ncr3896 | 2720 | ncr3974 | 2776 | ncr4057 |
| 2553 | ncr3735 | 2609 | ncr3816 | 2665 | ncr3899 | 2721 | ncr3975 | 2777 | ncr4059 |
| 2554 | ncr3736 | 2610 | ncr3818 | 2666 | ncr3900 | 2722 | ncr3976 | 2778 | ncr4060 |
| 2555 | ncr3738 | 2611 | ncr3819 | 2667 | ncr3901 | 2723 | ncr3977 | 2779 | ncr4061 |
| 2556 | ncr3739 | 2612 | ncr3820 | 2668 | ncr3902 | 2724 | ncr3978 | 2780 | ncr4064 |
| 2557 | ncr3740 | 2613 | ncr3821 | 2669 | ncr3903 | 2725 | ncr3979 | 2781 | ncr4066 |
| 2558 | ncr3743 | 2614 | ncr3824 | 2670 | ncr3906 | 2726 | ncr3983 | 2782 | ncr4067 |
| 2559 | ncr3744 | 2615 | ncr3825 | 2671 | ncr3907 | 2727 | ncr3984 | 2783 | ncr4068 |
| 2560 | ncr3745 | 2616 | ncr3826 | 2672 | ncr3908 | 2728 | ncr3986 | 2784 | ncr4069 |
| 2561 | ncr3748 | 2617 | ncr3827 | 2673 | ncr3909 | 2729 | ncr3987 | 2785 | ncr4070 |
| 2562 | ncr3751 | 2618 | ncr3828 | 2674 | ncr3911 | 2730 | ncr3988 | 2786 | ncr4072 |
| 2563 | ncr3752 | 2619 | ncr3829 | 2675 | ncr3912 | 2731 | ncr3989 | 2787 | ncr4073 |
| 2564 | ncr3753 | 2620 | ncr3830 | 2676 | ncr3913 | 2732 | ncr3990 | 2788 | ncr4075 |
| 2565 | ncr3755 | 2621 | ncr3831 | 2677 | ncr3914 | 2733 | ncr3993 | 2789 | ncr4076 |
| 2566 | ncr3757 | 2622 | ncr3832 | 2678 | ncr3915 | 2734 | ncr3995 | 2790 | ncr4077 |
| 2567 | ncr3761 | 2623 | ncr3833 | 2679 | ncr3916 | 2735 | ncr3997 | 2791 | ncr4078 |
| 2568 | ncr3762 | 2624 | ncr3834 | 2680 | ncr3917 | 2736 | ncr3998 | 2792 | ncr4079 |
| 2569 | ncr3763 | 2625 | ncr3835 | 2681 | ncr3918 | 2737 | ncr3999 | 2793 | ncr4080 |
| 2570 | ncr3764 | 2626 | ncr3837 | 2682 | ncr3919 | 2738 | ncr4000 | 2794 | ncr4081 |
| 2571 | ncr3765 | 2627 | ncr3839 | 2683 | ncr3920 | 2739 | ncr4001 | 2795 | ncr4082 |
| 2572 | ncr3767 | 2628 | ncr3840 | 2684 | ncr3922 | 2740 | ncr4003 | 2796 | ncr4083 |
| 2573 | ncr3768 | 2629 | ncr3841 | 2685 | ncr3925 | 2741 | ncr4005 | 2797 | ncr4085 |
| 2574 | ncr3771 | 2630 | ncr3843 | 2686 | ncr3926 | 2742 | ncr4006 | 2798 | ncr4089 |
| 2575 | ncr3772 | 2631 | ncr3845 | 2687 | ncr3927 | 2743 | ncr4008 | 2799 | ncr4090 |
| 2576 | ncr3775 | 2632 | ncr3847 | 2688 | ncr3933 | 2744 | ncr4009 | 2800 | ncr4091 |

Figure 6C – Continued

| | | | | | | | | | |
|------|---------|------|---------|------|---------|------|---------|------|---------|
| 2801 | ncr4092 | 2857 | ncr4187 | 2913 | ncr4371 | 2969 | ncr4466 | 3025 | ncr4586 |
| 2802 | ncr4094 | 2858 | ncr4188 | 2914 | ncr4372 | 2970 | ncr4474 | 3026 | ncr4587 |
| 2803 | ncr4095 | 2859 | ncr4189 | 2915 | ncr4373 | 2971 | ncr4475 | 3027 | ncr4589 |
| 2804 | ncr4100 | 2860 | ncr4190 | 2916 | ncr4374 | 2972 | ncr4477 | 3028 | ncr4590 |
| 2805 | ncr4101 | 2861 | ncr4191 | 2917 | ncr4375 | 2973 | ncr4481 | 3029 | ncr4591 |
| 2806 | ncr4104 | 2862 | ncr4192 | 2918 | ncr4376 | 2974 | ncr4484 | 3030 | ncr4595 |
| 2807 | ncr4107 | 2863 | ncr4193 | 2919 | ncr4377 | 2975 | ncr4485 | 3031 | ncr4596 |
| 2808 | ncr4108 | 2864 | ncr4194 | 2920 | ncr4378 | 2976 | ncr4486 | 3032 | ncr4597 |
| 2809 | ncr4109 | 2865 | ncr4195 | 2921 | ncr4380 | 2977 | ncr4491 | 3033 | ncr4598 |
| 2810 | ncr4110 | 2866 | ncr4198 | 2922 | ncr4381 | 2978 | ncr4503 | 3034 | ncr4600 |
| 2811 | ncr4111 | 2867 | ncr4199 | 2923 | ncr4382 | 2979 | ncr4505 | 3035 | ncr4601 |
| 2812 | ncr4113 | 2868 | ncr4200 | 2924 | ncr4383 | 2980 | ncr4512 | 3036 | ncr4603 |
| 2813 | ncr4114 | 2869 | ncr4201 | 2925 | ncr4384 | 2981 | ncr4513 | 3037 | ncr4604 |
| 2814 | ncr4115 | 2870 | ncr4202 | 2926 | ncr4385 | 2982 | ncr4515 | 3038 | ncr4605 |
| 2815 | ncr4116 | 2871 | ncr4203 | 2927 | ncr4388 | 2983 | ncr4518 | 3039 | ncr4606 |
| 2816 | ncr4117 | 2872 | ncr4205 | 2928 | ncr4393 | 2984 | ncr4519 | 3040 | ncr4607 |
| 2817 | ncr4118 | 2873 | ncr4206 | 2929 | ncr4396 | 2985 | ncr4522 | 3041 | ncr4608 |
| 2818 | ncr4119 | 2874 | ncr4208 | 2930 | ncr4397 | 2986 | ncr4523 | 3042 | ncr4609 |
| 2819 | ncr4120 | 2875 | ncr4210 | 2931 | ncr4398 | 2987 | ncr4524 | 3043 | ncr4612 |
| 2820 | ncr4121 | 2876 | ncr4212 | 2932 | ncr4399 | 2988 | ncr4525 | 3044 | ncr4613 |
| 2821 | ncr4122 | 2877 | ncr4214 | 2933 | ncr4400 | 2989 | ncr4527 | 3045 | ncr4615 |
| 2822 | ncr4123 | 2878 | ncr4215 | 2934 | ncr4401 | 2990 | ncr4528 | 3046 | ncr4617 |
| 2823 | ncr4124 | 2879 | ncr4217 | 2935 | ncr4402 | 2991 | ncr4529 | 3047 | ncr4619 |
| 2824 | ncr4125 | 2880 | ncr4218 | 2936 | ncr4404 | 2992 | ncr4530 | 3048 | ncr4620 |
| 2825 | ncr4126 | 2881 | ncr4219 | 2937 | ncr4405 | 2993 | ncr4531 | 3049 | ncr4621 |
| 2826 | ncr4127 | 2882 | ncr4220 | 2938 | ncr4406 | 2994 | ncr4533 | 3050 | ncr4623 |
| 2827 | ncr4128 | 2883 | ncr4221 | 2939 | ncr4407 | 2995 | ncr4535 | 3051 | ncr4625 |
| 2828 | ncr4133 | 2884 | ncr4222 | 2940 | ncr4408 | 2996 | ncr4536 | 3052 | ncr4628 |
| 2829 | ncr4135 | 2885 | ncr4224 | 2941 | ncr4409 | 2997 | ncr4537 | 3053 | ncr4629 |
| 2830 | ncr4137 | 2886 | ncr4323 | 2942 | ncr4410 | 2998 | ncr4538 | 3054 | ncr4631 |
| 2831 | ncr4139 | 2887 | ncr4324 | 2943 | ncr4412 | 2999 | ncr4539 | 3055 | ncr4632 |
| 2832 | ncr4140 | 2888 | ncr4325 | 2944 | ncr4413 | 3000 | ncr4540 | 3056 | ncr4634 |
| 2833 | ncr4141 | 2889 | ncr4331 | 2945 | ncr4414 | 3001 | ncr4541 | 3057 | ncr4635 |
| 2834 | ncr4142 | 2890 | ncr4332 | 2946 | ncr4415 | 3002 | ncr4543 | 3058 | ncr4637 |
| 2835 | ncr4146 | 2891 | ncr4333 | 2947 | ncr4416 | 3003 | ncr4544 | 3059 | ncr4639 |
| 2836 | ncr4147 | 2892 | ncr4335 | 2948 | ncr4421 | 3004 | ncr4545 | 3060 | ncr4640 |
| 2837 | ncr4148 | 2893 | ncr4336 | 2949 | ncr4423 | 3005 | ncr4547 | 3061 | ncr4641 |
| 2838 | ncr4149 | 2894 | ncr4337 | 2950 | ncr4424 | 3006 | ncr4548 | 3062 | ncr4642 |
| 2839 | ncr4153 | 2895 | ncr4338 | 2951 | ncr4432 | 3007 | ncr4550 | 3063 | ncr4643 |
| 2840 | ncr4154 | 2896 | ncr4339 | 2952 | ncr4433 | 3008 | ncr4551 | 3064 | ncr4646 |
| 2841 | ncr4157 | 2897 | ncr4341 | 2953 | ncr4434 | 3009 | ncr4552 | 3065 | ncr4647 |
| 2842 | ncr4160 | 2898 | ncr4347 | 2954 | ncr4435 | 3010 | ncr4553 | 3066 | ncr4648 |
| 2843 | ncr4162 | 2899 | ncr4348 | 2955 | ncr4436 | 3011 | ncr4555 | 3067 | ncr4652 |
| 2844 | ncr4163 | 2900 | ncr4349 | 2956 | ncr4437 | 3012 | ncr4566 | 3068 | ncr4653 |
| 2845 | ncr4168 | 2901 | ncr4352 | 2957 | ncr4443 | 3013 | ncr4567 | 3069 | ncr4654 |
| 2846 | ncr4169 | 2902 | ncr4354 | 2958 | ncr4444 | 3014 | ncr4568 | 3070 | ncr4655 |
| 2847 | ncr4171 | 2903 | ncr4355 | 2959 | ncr4445 | 3015 | ncr4569 | 3071 | ncr4656 |
| 2848 | ncr4172 | 2904 | ncr4357 | 2960 | ncr4448 | 3016 | ncr4572 | 3072 | ncr4657 |
| 2849 | ncr4175 | 2905 | ncr4361 | 2961 | ncr4449 | 3017 | ncr4575 | 3073 | ncr4658 |
| 2850 | ncr4178 | 2906 | ncr4363 | 2962 | ncr4451 | 3018 | ncr4577 | 3074 | ncr4661 |
| 2851 | ncr4180 | 2907 | ncr4364 | 2963 | ncr4452 | 3019 | ncr4580 | 3075 | ncr4662 |
| 2852 | ncr4181 | 2908 | ncr4365 | 2964 | ncr4454 | 3020 | ncr4581 | 3076 | ncr4664 |
| 2853 | ncr4182 | 2909 | ncr4367 | 2965 | ncr4455 | 3021 | ncr4582 | 3077 | ncr4666 |
| 2854 | ncr4183 | 2910 | ncr4368 | 2966 | ncr4456 | 3022 | ncr4583 | 3078 | ncr4667 |
| 2855 | ncr4184 | 2911 | ncr4369 | 2967 | ncr4460 | 3023 | ncr4584 | 3079 | ncr4668 |
| 2856 | ncr4185 | 2912 | ncr4370 | 2968 | ncr4461 | 3024 | ncr4585 | 3080 | ncr4671 |

Figure 6C – Continued

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|------|---------|------|---------|------|---------|------|---------|------|---------|
| 3081 | ncr4672 | 3137 | ncr4750 | 3193 | ncr4832 | 3249 | ncr4928 | 3305 | ncr5013 |
| 3082 | ncr4673 | 3138 | ncr4751 | 3194 | ncr4833 | 3250 | ncr4929 | 3306 | ncr5015 |
| 3083 | ncr4674 | 3139 | ncr4754 | 3195 | ncr4835 | 3251 | ncr4930 | 3307 | ncr5016 |
| 3084 | ncr4675 | 3140 | ncr4755 | 3196 | ncr4836 | 3252 | ncr4932 | 3308 | ncr5017 |
| 3085 | ncr4676 | 3141 | ncr4757 | 3197 | ncr4839 | 3253 | ncr4933 | 3309 | ncr5019 |
| 3086 | ncr4677 | 3142 | ncr4758 | 3198 | ncr4840 | 3254 | ncr4935 | 3310 | ncr5023 |
| 3087 | ncr4680 | 3143 | ncr4759 | 3199 | ncr4845 | 3255 | ncr4936 | 3311 | ncr5024 |
| 3088 | ncr4681 | 3144 | ncr4760 | 3200 | ncr4846 | 3256 | ncr4938 | 3312 | ncr5025 |
| 3089 | ncr4682 | 3145 | ncr4762 | 3201 | ncr4847 | 3257 | ncr4939 | 3313 | ncr5027 |
| 3090 | ncr4683 | 3146 | ncr4763 | 3202 | ncr4851 | 3258 | ncr4944 | 3314 | ncr5031 |
| 3091 | ncr4684 | 3147 | ncr4764 | 3203 | ncr4853 | 3259 | ncr4946 | 3315 | ncr5034 |
| 3092 | ncr4685 | 3148 | ncr4765 | 3204 | ncr4854 | 3260 | ncr4949 | 3316 | ncr5036 |
| 3093 | ncr4686 | 3149 | ncr4766 | 3205 | ncr4855 | 3261 | ncr4951 | 3317 | ncr5037 |
| 3094 | ncr4687 | 3150 | ncr4767 | 3206 | ncr4856 | 3262 | ncr4953 | 3318 | ncr5039 |
| 3095 | ncr4688 | 3151 | ncr4768 | 3207 | ncr4857 | 3263 | ncr4954 | 3319 | ncr5042 |
| 3096 | ncr4689 | 3152 | ncr4769 | 3208 | ncr4858 | 3264 | ncr4957 | 3320 | ncr5043 |
| 3097 | ncr4691 | 3153 | ncr4770 | 3209 | ncr4859 | 3265 | ncr4958 | 3321 | ncr5044 |
| 3098 | ncr4692 | 3154 | ncr4771 | 3210 | ncr4860 | 3266 | ncr4959 | 3322 | ncr5046 |
| 3099 | ncr4693 | 3155 | ncr4772 | 3211 | ncr4863 | 3267 | ncr4960 | 3323 | ncr5047 |
| 3100 | ncr4694 | 3156 | ncr4773 | 3212 | ncr4864 | 3268 | ncr4961 | 3324 | ncr5048 |
| 3101 | ncr4695 | 3157 | ncr4774 | 3213 | ncr4865 | 3269 | ncr4964 | 3325 | ncr5049 |
| 3102 | ncr4696 | 3158 | ncr4775 | 3214 | ncr4866 | 3270 | ncr4965 | 3326 | ncr5050 |
| 3103 | ncr4697 | 3159 | ncr4776 | 3215 | ncr4867 | 3271 | ncr4966 | 3327 | ncr5051 |
| 3104 | ncr4698 | 3160 | ncr4778 | 3216 | ncr4870 | 3272 | ncr4967 | 3328 | ncr5052 |
| 3105 | ncr4699 | 3161 | ncr4779 | 3217 | ncr4871 | 3273 | ncr4968 | 3329 | ncr5053 |
| 3106 | ncr4700 | 3162 | ncr4780 | 3218 | ncr4873 | 3274 | ncr4969 | 3330 | ncr5055 |
| 3107 | ncr4702 | 3163 | ncr4781 | 3219 | ncr4875 | 3275 | ncr4970 | 3331 | ncr5056 |
| 3108 | ncr4704 | 3164 | ncr4783 | 3220 | ncr4876 | 3276 | ncr4971 | 3332 | ncr5057 |
| 3109 | ncr4705 | 3165 | ncr4784 | 3221 | ncr4877 | 3277 | ncr4972 | 3333 | ncr5060 |
| 3110 | ncr4708 | 3166 | ncr4785 | 3222 | ncr4878 | 3278 | ncr4973 | 3334 | ncr5061 |
| 3111 | ncr4709 | 3167 | ncr4786 | 3223 | ncr4880 | 3279 | ncr4974 | 3335 | ncr5063 |
| 3112 | ncr4712 | 3168 | ncr4787 | 3224 | ncr4881 | 3280 | ncr4975 | 3336 | ncr5064 |
| 3113 | ncr4713 | 3169 | ncr4788 | 3225 | ncr4883 | 3281 | ncr4976 | 3337 | ncr5065 |
| 3114 | ncr4716 | 3170 | ncr4789 | 3226 | ncr4884 | 3282 | ncr4978 | 3338 | ncr5066 |
| 3115 | ncr4719 | 3171 | ncr4790 | 3227 | ncr4887 | 3283 | ncr4979 | 3339 | ncr5069 |
| 3116 | ncr4720 | 3172 | ncr4792 | 3228 | ncr4888 | 3284 | ncr4981 | 3340 | ncr5070 |
| 3117 | ncr4721 | 3173 | ncr4793 | 3229 | ncr4890 | 3285 | ncr4982 | 3341 | ncr5072 |
| 3118 | ncr4722 | 3174 | ncr4794 | 3230 | ncr4892 | 3286 | ncr4983 | 3342 | ncr5073 |
| 3119 | ncr4725 | 3175 | ncr4795 | 3231 | ncr4894 | 3287 | ncr4984 | 3343 | ncr5074 |
| 3120 | ncr4727 | 3176 | ncr4798 | 3232 | ncr4895 | 3288 | ncr4985 | 3344 | ncr5077 |
| 3121 | ncr4728 | 3177 | ncr4799 | 3233 | ncr4897 | 3289 | ncr4986 | 3345 | ncr5078 |
| 3122 | ncr4730 | 3178 | ncr4805 | 3234 | ncr4900 | 3290 | ncr4989 | 3346 | ncr5079 |
| 3123 | ncr4732 | 3179 | ncr4808 | 3235 | ncr4903 | 3291 | ncr4992 | 3347 | ncr5080 |
| 3124 | ncr4733 | 3180 | ncr4809 | 3236 | ncr4907 | 3292 | ncr4993 | 3348 | ncr5081 |
| 3125 | ncr4735 | 3181 | ncr4812 | 3237 | ncr4910 | 3293 | ncr4995 | 3349 | ncr5082 |
| 3126 | ncr4737 | 3182 | ncr4813 | 3238 | ncr4911 | 3294 | ncr4996 | 3350 | ncr5083 |
| 3127 | ncr4738 | 3183 | ncr4814 | 3239 | ncr4912 | 3295 | ncr4997 | 3351 | ncr5084 |
| 3128 | ncr4739 | 3184 | ncr4815 | 3240 | ncr4913 | 3296 | ncr4999 | 3352 | ncr5086 |
| 3129 | ncr4740 | 3185 | ncr4816 | 3241 | ncr4914 | 3297 | ncr5001 | 3353 | ncr5088 |
| 3130 | ncr4742 | 3186 | ncr4818 | 3242 | ncr4915 | 3298 | ncr5003 | 3354 | ncr5089 |
| 3131 | ncr4743 | 3187 | ncr4821 | 3243 | ncr4916 | 3299 | ncr5005 | 3355 | ncr5092 |
| 3132 | ncr4745 | 3188 | ncr4823 | 3244 | ncr4917 | 3300 | ncr5007 | 3356 | ncr5093 |
| 3133 | ncr4746 | 3189 | ncr4824 | 3245 | ncr4918 | 3301 | ncr5008 | 3357 | ncr5097 |
| 3134 | ncr4747 | 3190 | ncr4827 | 3246 | ncr4920 | 3302 | ncr5010 | 3358 | ncr5099 |
| 3135 | ncr4748 | 3191 | ncr4829 | 3247 | ncr4921 | 3303 | ncr5011 | 3359 | ncr5101 |
| 3136 | ncr4749 | 3192 | ncr4831 | 3248 | ncr4925 | 3304 | ncr5012 | 3360 | ncr5104 |

Figure 6C – Continued

| | | | | | | | | | |
|------|---------|------|---------|------|---------|------|---------|------|---------|
| 3361 | ncr5105 | 3417 | ncr5180 | 3473 | ncr5258 | 3529 | ncr5354 | 3585 | ncr5432 |
| 3362 | ncr5108 | 3418 | ncr5182 | 3474 | ncr5261 | 3530 | ncr5355 | 3586 | ncr5433 |
| 3363 | ncr5109 | 3419 | ncr5183 | 3475 | ncr5262 | 3531 | ncr5357 | 3587 | ncr5435 |
| 3364 | ncr5110 | 3420 | ncr5184 | 3476 | ncr5263 | 3532 | ncr5358 | 3588 | ncr5436 |
| 3365 | ncr5111 | 3421 | ncr5188 | 3477 | ncr5264 | 3533 | ncr5360 | 3589 | ncr5437 |
| 3366 | ncr5113 | 3422 | ncr5189 | 3478 | ncr5265 | 3534 | ncr5361 | 3590 | ncr5438 |
| 3367 | ncr5115 | 3423 | ncr5191 | 3479 | ncr5266 | 3535 | ncr5363 | 3591 | ncr5440 |
| 3368 | ncr5117 | 3424 | ncr5192 | 3480 | ncr5268 | 3536 | ncr5364 | 3592 | ncr5442 |
| 3369 | ncr5120 | 3425 | ncr5193 | 3481 | ncr5269 | 3537 | ncr5365 | 3593 | ncr5444 |
| 3370 | ncr5121 | 3426 | ncr5195 | 3482 | ncr5272 | 3538 | ncr5368 | 3594 | ncr5446 |
| 3371 | ncr5122 | 3427 | ncr5196 | 3483 | ncr5273 | 3539 | ncr5369 | 3595 | ncr5450 |
| 3372 | ncr5124 | 3428 | ncr5197 | 3484 | ncr5274 | 3540 | ncr5372 | 3596 | ncr5451 |
| 3373 | ncr5125 | 3429 | ncr5200 | 3485 | ncr5276 | 3541 | ncr5373 | 3597 | ncr5453 |
| 3374 | ncr5126 | 3430 | ncr5201 | 3486 | ncr5280 | 3542 | ncr5374 | 3598 | ncr5454 |
| 3375 | ncr5127 | 3431 | ncr5202 | 3487 | ncr5283 | 3543 | ncr5375 | 3599 | ncr5455 |
| 3376 | ncr5128 | 3432 | ncr5205 | 3488 | ncr5284 | 3544 | ncr5376 | 3600 | ncr5458 |
| 3377 | ncr5130 | 3433 | ncr5207 | 3489 | ncr5285 | 3545 | ncr5377 | 3601 | ncr5459 |
| 3378 | ncr5131 | 3434 | ncr5208 | 3490 | ncr5287 | 3546 | ncr5380 | 3602 | ncr5461 |
| 3379 | ncr5132 | 3435 | ncr5209 | 3491 | ncr5288 | 3547 | ncr5381 | 3603 | ncr5462 |
| 3380 | ncr5133 | 3436 | ncr5210 | 3492 | ncr5289 | 3548 | ncr5383 | 3604 | ncr5463 |
| 3381 | ncr5136 | 3437 | ncr5211 | 3493 | ncr5291 | 3549 | ncr5384 | 3605 | ncr5464 |
| 3382 | ncr5137 | 3438 | ncr5212 | 3494 | ncr5292 | 3550 | ncr5385 | 3606 | ncr5465 |
| 3383 | ncr5138 | 3439 | ncr5216 | 3495 | ncr5293 | 3551 | ncr5387 | 3607 | ncr5466 |
| 3384 | ncr5140 | 3440 | ncr5218 | 3496 | ncr5296 | 3552 | ncr5388 | 3608 | ncr5470 |
| 3385 | ncr5142 | 3441 | ncr5219 | 3497 | ncr5297 | 3553 | ncr5389 | 3609 | ncr5471 |
| 3386 | ncr5143 | 3442 | ncr5220 | 3498 | ncr5299 | 3554 | ncr5392 | 3610 | ncr5472 |
| 3387 | ncr5145 | 3443 | ncr5221 | 3499 | ncr5300 | 3555 | ncr5393 | 3611 | ncr5473 |
| 3388 | ncr5146 | 3444 | ncr5222 | 3500 | ncr5301 | 3556 | ncr5394 | 3612 | ncr5475 |
| 3389 | ncr5147 | 3445 | ncr5223 | 3501 | ncr5303 | 3557 | ncr5397 | 3613 | ncr5476 |
| 3390 | ncr5149 | 3446 | ncr5224 | 3502 | ncr5304 | 3558 | ncr5399 | 3614 | ncr5477 |
| 3391 | ncr5150 | 3447 | ncr5226 | 3503 | ncr5305 | 3559 | ncr5400 | 3615 | ncr5478 |
| 3392 | ncr5151 | 3448 | ncr5227 | 3504 | ncr5311 | 3560 | ncr5401 | 3616 | ncr5479 |
| 3393 | ncr5152 | 3449 | ncr5228 | 3505 | ncr5312 | 3561 | ncr5402 | 3617 | ncr5481 |
| 3394 | ncr5153 | 3450 | ncr5229 | 3506 | ncr5313 | 3562 | ncr5403 | 3618 | ncr5482 |
| 3395 | ncr5154 | 3451 | ncr5230 | 3507 | ncr5316 | 3563 | ncr5404 | 3619 | ncr5484 |
| 3396 | ncr5155 | 3452 | ncr5232 | 3508 | ncr5318 | 3564 | ncr5405 | 3620 | ncr5485 |
| 3397 | ncr5156 | 3453 | ncr5233 | 3509 | ncr5320 | 3565 | ncr5407 | 3621 | ncr5488 |
| 3398 | ncr5157 | 3454 | ncr5234 | 3510 | ncr5322 | 3566 | ncr5408 | 3622 | ncr5490 |
| 3399 | ncr5158 | 3455 | ncr5236 | 3511 | ncr5323 | 3567 | ncr5409 | 3623 | ncr5491 |
| 3400 | ncr5159 | 3456 | ncr5237 | 3512 | ncr5324 | 3568 | ncr5410 | 3624 | ncr5492 |
| 3401 | ncr5160 | 3457 | ncr5238 | 3513 | ncr5325 | 3569 | ncr5412 | 3625 | ncr5493 |
| 3402 | ncr5161 | 3458 | ncr5240 | 3514 | ncr5327 | 3570 | ncr5414 | 3626 | ncr5494 |
| 3403 | ncr5163 | 3459 | ncr5241 | 3515 | ncr5328 | 3571 | ncr5415 | 3627 | ncr5495 |
| 3404 | ncr5164 | 3460 | ncr5242 | 3516 | ncr5331 | 3572 | ncr5416 | 3628 | ncr5497 |
| 3405 | ncr5166 | 3461 | ncr5245 | 3517 | ncr5333 | 3573 | ncr5417 | 3629 | ncr5499 |
| 3406 | ncr5167 | 3462 | ncr5246 | 3518 | ncr5334 | 3574 | ncr5420 | 3630 | ncr5500 |
| 3407 | ncr5168 | 3463 | ncr5247 | 3519 | ncr5335 | 3575 | ncr5421 | 3631 | ncr5501 |
| 3408 | ncr5169 | 3464 | ncr5248 | 3520 | ncr5336 | 3576 | ncr5423 | 3632 | ncr5503 |
| 3409 | ncr5171 | 3465 | ncr5249 | 3521 | ncr5338 | 3577 | ncr5424 | 3633 | ncr5505 |
| 3410 | ncr5172 | 3466 | ncr5251 | 3522 | ncr5341 | 3578 | ncr5425 | 3634 | ncr5506 |
| 3411 | ncr5173 | 3467 | ncr5252 | 3523 | ncr5342 | 3579 | ncr5426 | 3635 | ncr5507 |
| 3412 | ncr5174 | 3468 | ncr5253 | 3524 | ncr5343 | 3580 | ncr5427 | 3636 | ncr5508 |
| 3413 | ncr5176 | 3469 | ncr5254 | 3525 | ncr5345 | 3581 | ncr5428 | 3637 | ncr5509 |
| 3414 | ncr5177 | 3470 | ncr5255 | 3526 | ncr5346 | 3582 | ncr5429 | 3638 | ncr5510 |
| 3415 | ncr5178 | 3471 | ncr5256 | 3527 | ncr5349 | 3583 | ncr5430 | 3639 | ncr5512 |
| 3416 | ncr5179 | 3472 | ncr5257 | 3528 | ncr5353 | 3584 | ncr5431 | 3640 | ncr5514 |

Figure 6C - Continued

| | | | | | | | | | |
|------|---------|------|---------|------|---------|------|---------|------|---------|
| 3641 | ncr5515 | 3697 | ncr5591 | 3753 | ncr5673 | 3809 | ncr5756 | 3865 | ncr5842 |
| 3642 | ncr5516 | 3698 | ncr5592 | 3754 | ncr5675 | 3810 | ncr5757 | 3866 | ncr5843 |
| 3643 | ncr5518 | 3699 | ncr5594 | 3755 | ncr5676 | 3811 | ncr5758 | 3867 | ncr5844 |
| 3644 | ncr5519 | 3700 | ncr5597 | 3756 | ncr5677 | 3812 | ncr5759 | 3868 | ncr5846 |
| 3645 | ncr5520 | 3701 | ncr5599 | 3757 | ncr5679 | 3813 | ncr5760 | 3869 | ncr5848 |
| 3646 | ncr5521 | 3702 | ncr5600 | 3758 | ncr5681 | 3814 | ncr5763 | 3870 | ncr5850 |
| 3647 | ncr5522 | 3703 | ncr5601 | 3759 | ncr5682 | 3815 | ncr5764 | 3871 | ncr5854 |
| 3648 | ncr5523 | 3704 | ncr5603 | 3760 | ncr5683 | 3816 | ncr5767 | 3872 | ncr5856 |
| 3649 | ncr5524 | 3705 | ncr5604 | 3761 | ncr5684 | 3817 | ncr5768 | 3873 | ncr5859 |
| 3650 | ncr5525 | 3706 | ncr5610 | 3762 | ncr5689 | 3818 | ncr5769 | 3874 | ncr5860 |
| 3651 | ncr5526 | 3707 | ncr5612 | 3763 | ncr5691 | 3819 | ncr5771 | 3875 | ncr5861 |
| 3652 | ncr5527 | 3708 | ncr5613 | 3764 | ncr5692 | 3820 | ncr5772 | 3876 | ncr5863 |
| 3653 | ncr5529 | 3709 | ncr5614 | 3765 | ncr5693 | 3821 | ncr5776 | 3877 | ncr5864 |
| 3654 | ncr5530 | 3710 | ncr5616 | 3766 | ncr5695 | 3822 | ncr5777 | 3878 | ncr5865 |
| 3655 | ncr5531 | 3711 | ncr5617 | 3767 | ncr5696 | 3823 | ncr5779 | 3879 | ncr5867 |
| 3656 | ncr5532 | 3712 | ncr5618 | 3768 | ncr5697 | 3824 | ncr5781 | 3880 | ncr5871 |
| 3657 | ncr5533 | 3713 | ncr5620 | 3769 | ncr5699 | 3825 | ncr5783 | 3881 | ncr5872 |
| 3658 | ncr5534 | 3714 | ncr5621 | 3770 | ncr5700 | 3826 | ncr5785 | 3882 | ncr5873 |
| 3659 | ncr5535 | 3715 | ncr5622 | 3771 | ncr5701 | 3827 | ncr5787 | 3883 | ncr5875 |
| 3660 | ncr5536 | 3716 | ncr5624 | 3772 | ncr5702 | 3828 | ncr5788 | 3884 | ncr5876 |
| 3661 | ncr5537 | 3717 | ncr5625 | 3773 | ncr5703 | 3829 | ncr5789 | 3885 | ncr5877 |
| 3662 | ncr5538 | 3718 | ncr5626 | 3774 | ncr5704 | 3830 | ncr5792 | 3886 | ncr5879 |
| 3663 | ncr5539 | 3719 | ncr5628 | 3775 | ncr5706 | 3831 | ncr5793 | 3887 | ncr5880 |
| 3664 | ncr5540 | 3720 | ncr5629 | 3776 | ncr5707 | 3832 | ncr5794 | 3888 | ncr5881 |
| 3665 | ncr5541 | 3721 | ncr5630 | 3777 | ncr5708 | 3833 | ncr5795 | 3889 | ncr5882 |
| 3666 | ncr5542 | 3722 | ncr5631 | 3778 | ncr5709 | 3834 | ncr5796 | 3890 | ncr5884 |
| 3667 | ncr5543 | 3723 | ncr5632 | 3779 | ncr5710 | 3835 | ncr5797 | 3891 | ncr5887 |
| 3668 | ncr5544 | 3724 | ncr5633 | 3780 | ncr5711 | 3836 | ncr5798 | 3892 | ncr5888 |
| 3669 | ncr5545 | 3725 | ncr5635 | 3781 | ncr5712 | 3837 | ncr5800 | 3893 | ncr5890 |
| 3670 | ncr5546 | 3726 | ncr5637 | 3782 | ncr5713 | 3838 | ncr5803 | 3894 | ncr5892 |
| 3671 | ncr5547 | 3727 | ncr5639 | 3783 | ncr5714 | 3839 | ncr5804 | 3895 | ncr5894 |
| 3672 | ncr5549 | 3728 | ncr5640 | 3784 | ncr5715 | 3840 | ncr5807 | 3896 | ncr5896 |
| 3673 | ncr5550 | 3729 | ncr5641 | 3785 | ncr5718 | 3841 | ncr5808 | 3897 | ncr5898 |
| 3674 | ncr5551 | 3730 | ncr5643 | 3786 | ncr5719 | 3842 | ncr5810 | 3898 | ncr5899 |
| 3675 | ncr5552 | 3731 | ncr5644 | 3787 | ncr5720 | 3843 | ncr5811 | 3899 | ncr5900 |
| 3676 | ncr5553 | 3732 | ncr5645 | 3788 | ncr5721 | 3844 | ncr5812 | 3900 | ncr5901 |
| 3677 | ncr5554 | 3733 | ncr5646 | 3789 | ncr5722 | 3845 | ncr5814 | 3901 | ncr5903 |
| 3678 | ncr5555 | 3734 | ncr5648 | 3790 | ncr5723 | 3846 | ncr5815 | 3902 | ncr5904 |
| 3679 | ncr5557 | 3735 | ncr5649 | 3791 | ncr5724 | 3847 | ncr5816 | 3903 | ncr5906 |
| 3680 | ncr5558 | 3736 | ncr5650 | 3792 | ncr5725 | 3848 | ncr5817 | 3904 | ncr5908 |
| 3681 | ncr5559 | 3737 | ncr5651 | 3793 | ncr5727 | 3849 | ncr5818 | 3905 | ncr5909 |
| 3682 | ncr5560 | 3738 | ncr5653 | 3794 | ncr5729 | 3850 | ncr5819 | 3906 | ncr5911 |
| 3683 | ncr5564 | 3739 | ncr5654 | 3795 | ncr5734 | 3851 | ncr5820 | 3907 | ncr5912 |
| 3684 | ncr5566 | 3740 | ncr5655 | 3796 | ncr5736 | 3852 | ncr5821 | 3908 | ncr5913 |
| 3685 | ncr5568 | 3741 | ncr5657 | 3797 | ncr5738 | 3853 | ncr5822 | 3909 | ncr5914 |
| 3686 | ncr5570 | 3742 | ncr5658 | 3798 | ncr5740 | 3854 | ncr5823 | 3910 | ncr5915 |
| 3687 | ncr5571 | 3743 | ncr5659 | 3799 | ncr5741 | 3855 | ncr5825 | 3911 | ncr5916 |
| 3688 | ncr5572 | 3744 | ncr5660 | 3800 | ncr5742 | 3856 | ncr5826 | 3912 | ncr5917 |
| 3689 | ncr5573 | 3745 | ncr5661 | 3801 | ncr5744 | 3857 | ncr5828 | 3913 | ncr5918 |
| 3690 | ncr5575 | 3746 | ncr5662 | 3802 | ncr5745 | 3858 | ncr5829 | 3914 | ncr5919 |
| 3691 | ncr5576 | 3747 | ncr5663 | 3803 | ncr5746 | 3859 | ncr5830 | 3915 | ncr5921 |
| 3692 | ncr5583 | 3748 | ncr5664 | 3804 | ncr5750 | 3860 | ncr5833 | 3916 | ncr5923 |
| 3693 | ncr5585 | 3749 | ncr5667 | 3805 | ncr5751 | 3861 | ncr5835 | 3917 | ncr5924 |
| 3694 | ncr5586 | 3750 | ncr5668 | 3806 | ncr5752 | 3862 | ncr5836 | 3918 | ncr5925 |
| 3695 | ncr5587 | 3751 | ncr5671 | 3807 | ncr5753 | 3863 | ncr5838 | 3919 | ncr5927 |
| 3696 | ncr5588 | 3752 | ncr5672 | 3808 | ncr5755 | 3864 | ncr5840 | 3920 | ncr5928 |

Figure 6C – Continued

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|------|---------|------|---------|------|---------|------|---------|------|---------|
| 3921 | ncr5931 | 3977 | ncr6026 | 4033 | ncr6109 | 4089 | ncr6196 | 4145 | ncr6279 |
| 3922 | ncr5932 | 3978 | ncr6028 | 4034 | ncr6110 | 4090 | ncr6197 | 4146 | ncr6280 |
| 3923 | ncr5934 | 3979 | ncr6029 | 4035 | ncr6111 | 4091 | ncr6198 | 4147 | ncr6283 |
| 3924 | ncr5938 | 3980 | ncr6030 | 4036 | ncr6113 | 4092 | ncr6200 | 4148 | ncr6284 |
| 3925 | ncr5939 | 3981 | ncr6031 | 4037 | ncr6114 | 4093 | ncr6202 | 4149 | ncr6285 |
| 3926 | ncr5940 | 3982 | ncr6033 | 4038 | ncr6115 | 4094 | ncr6203 | 4150 | ncr6286 |
| 3927 | ncr5941 | 3983 | ncr6034 | 4039 | ncr6116 | 4095 | ncr6204 | 4151 | ncr6287 |
| 3928 | ncr5942 | 3984 | ncr6035 | 4040 | ncr6119 | 4096 | ncr6205 | 4152 | ncr6288 |
| 3929 | ncr5943 | 3985 | ncr6036 | 4041 | ncr6120 | 4097 | ncr6206 | 4153 | ncr6289 |
| 3930 | ncr5944 | 3986 | ncr6037 | 4042 | ncr6121 | 4098 | ncr6207 | 4154 | ncr6290 |
| 3931 | ncr5945 | 3987 | ncr6038 | 4043 | ncr6122 | 4099 | ncr6208 | 4155 | ncr6291 |
| 3932 | ncr5946 | 3988 | ncr6040 | 4044 | ncr6123 | 4100 | ncr6209 | 4156 | ncr6292 |
| 3933 | ncr5947 | 3989 | ncr6041 | 4045 | ncr6125 | 4101 | ncr6210 | 4157 | ncr6293 |
| 3934 | ncr5949 | 3990 | ncr6043 | 4046 | ncr6126 | 4102 | ncr6211 | 4158 | ncr6298 |
| 3935 | ncr5950 | 3991 | ncr6044 | 4047 | ncr6127 | 4103 | ncr6212 | 4159 | ncr6301 |
| 3936 | ncr5951 | 3992 | ncr6045 | 4048 | ncr6128 | 4104 | ncr6213 | 4160 | ncr6302 |
| 3937 | ncr5952 | 3993 | ncr6046 | 4049 | ncr6130 | 4105 | ncr6215 | 4161 | ncr6306 |
| 3938 | ncr5955 | 3994 | ncr6047 | 4050 | ncr6131 | 4106 | ncr6216 | 4162 | ncr6307 |
| 3939 | ncr5957 | 3995 | ncr6048 | 4051 | ncr6132 | 4107 | ncr6217 | 4163 | ncr6308 |
| 3940 | ncr5959 | 3996 | ncr6051 | 4052 | ncr6133 | 4108 | ncr6220 | 4164 | ncr6310 |
| 3941 | ncr5960 | 3997 | ncr6053 | 4053 | ncr6135 | 4109 | ncr6221 | 4165 | ncr6311 |
| 3942 | ncr5961 | 3998 | ncr6056 | 4054 | ncr6136 | 4110 | ncr6223 | 4166 | ncr6312 |
| 3943 | ncr5963 | 3999 | ncr6057 | 4055 | ncr6137 | 4111 | ncr6224 | 4167 | ncr6315 |
| 3944 | ncr5967 | 4000 | ncr6059 | 4056 | ncr6138 | 4112 | ncr6225 | 4168 | ncr6316 |
| 3945 | ncr5969 | 4001 | ncr6060 | 4057 | ncr6140 | 4113 | ncr6226 | 4169 | ncr6317 |
| 3946 | ncr5971 | 4002 | ncr6061 | 4058 | ncr6141 | 4114 | ncr6227 | 4170 | ncr6318 |
| 3947 | ncr5972 | 4003 | ncr6063 | 4059 | ncr6142 | 4115 | ncr6228 | 4171 | ncr6320 |
| 3948 | ncr5973 | 4004 | ncr6064 | 4060 | ncr6143 | 4116 | ncr6232 | 4172 | ncr6321 |
| 3949 | ncr5975 | 4005 | ncr6065 | 4061 | ncr6144 | 4117 | ncr6233 | 4173 | ncr6322 |
| 3950 | ncr5976 | 4006 | ncr6067 | 4062 | ncr6148 | 4118 | ncr6235 | 4174 | ncr6323 |
| 3951 | ncr5977 | 4007 | ncr6068 | 4063 | ncr6152 | 4119 | ncr6236 | 4175 | ncr6324 |
| 3952 | ncr5979 | 4008 | ncr6071 | 4064 | ncr6155 | 4120 | ncr6237 | 4176 | ncr6325 |
| 3953 | ncr5981 | 4009 | ncr6072 | 4065 | ncr6157 | 4121 | ncr6240 | 4177 | ncr6326 |
| 3954 | ncr5983 | 4010 | ncr6073 | 4066 | ncr6159 | 4122 | ncr6242 | 4178 | ncr6327 |
| 3955 | ncr5984 | 4011 | ncr6074 | 4067 | ncr6160 | 4123 | ncr6244 | 4179 | ncr6328 |
| 3956 | ncr5988 | 4012 | ncr6076 | 4068 | ncr6161 | 4124 | ncr6245 | 4180 | ncr6330 |
| 3957 | ncr5989 | 4013 | ncr6079 | 4069 | ncr6163 | 4125 | ncr6247 | 4181 | ncr6331 |
| 3958 | ncr5990 | 4014 | ncr6080 | 4070 | ncr6164 | 4126 | ncr6252 | 4182 | ncr6332 |
| 3959 | ncr5992 | 4015 | ncr6082 | 4071 | ncr6165 | 4127 | ncr6256 | 4183 | ncr6334 |
| 3960 | ncr5995 | 4016 | ncr6083 | 4072 | ncr6167 | 4128 | ncr6257 | 4184 | ncr6335 |
| 3961 | ncr5999 | 4017 | ncr6085 | 4073 | ncr6168 | 4129 | ncr6259 | 4185 | ncr6336 |
| 3962 | ncr6003 | 4018 | ncr6086 | 4074 | ncr6170 | 4130 | ncr6260 | 4186 | ncr6339 |
| 3963 | ncr6004 | 4019 | ncr6088 | 4075 | ncr6176 | 4131 | ncr6261 | 4187 | ncr6343 |
| 3964 | ncr6005 | 4020 | ncr6091 | 4076 | ncr6178 | 4132 | ncr6262 | 4188 | ncr6344 |
| 3965 | ncr6007 | 4021 | ncr6092 | 4077 | ncr6179 | 4133 | ncr6264 | 4189 | ncr6345 |
| 3966 | ncr6009 | 4022 | ncr6093 | 4078 | ncr6180 | 4134 | ncr6265 | 4190 | ncr6347 |
| 3967 | ncr6010 | 4023 | ncr6094 | 4079 | ncr6182 | 4135 | ncr6266 | 4191 | ncr6353 |
| 3968 | ncr6011 | 4024 | ncr6095 | 4080 | ncr6183 | 4136 | ncr6268 | 4192 | ncr6357 |
| 3969 | ncr6012 | 4025 | ncr6099 | 4081 | ncr6184 | 4137 | ncr6269 | 4193 | ncr6360 |
| 3970 | ncr6013 | 4026 | ncr6100 | 4082 | ncr6187 | 4138 | ncr6272 | 4194 | ncr6365 |
| 3971 | ncr6016 | 4027 | ncr6103 | 4083 | ncr6188 | 4139 | ncr6273 | 4195 | ncr6368 |
| 3972 | ncr6017 | 4028 | ncr6104 | 4084 | ncr6190 | 4140 | ncr6274 | 4196 | ncr6370 |
| 3973 | ncr6019 | 4029 | ncr6105 | 4085 | ncr6192 | 4141 | ncr6275 | 4197 | ncr6372 |
| 3974 | ncr6022 | 4030 | ncr6106 | 4086 | ncr6193 | 4142 | ncr6276 | 4198 | ncr6373 |
| 3975 | ncr6023 | 4031 | ncr6107 | 4087 | ncr6194 | 4143 | ncr6277 | 4199 | ncr6375 |
| 3976 | ncr6024 | 4032 | ncr6108 | 4088 | ncr6195 | 4144 | ncr6278 | 4200 | ncr6376 |

Figure 6C – Continued

| | | | | | | | | | |
|------|---------|------|---------|------|---------|------|---------|------|---------|
| 4201 | ncr6379 | 4257 | ncr6560 | 4313 | ncr6663 | 4369 | ncr6753 | 4425 | ncr6839 |
| 4202 | ncr6381 | 4258 | ncr6562 | 4314 | ncr6664 | 4370 | ncr6754 | 4426 | ncr6841 |
| 4203 | ncr6382 | 4259 | ncr6563 | 4315 | ncr6666 | 4371 | ncr6755 | 4427 | ncr6842 |
| 4204 | ncr6383 | 4260 | ncr6564 | 4316 | ncr6669 | 4372 | ncr6756 | 4428 | ncr6843 |
| 4205 | ncr6384 | 4261 | ncr6567 | 4317 | ncr6672 | 4373 | ncr6757 | 4429 | ncr6845 |
| 4206 | ncr6385 | 4262 | ncr6570 | 4318 | ncr6673 | 4374 | ncr6758 | 4430 | ncr6847 |
| 4207 | ncr6388 | 4263 | ncr6571 | 4319 | ncr6674 | 4375 | ncr6759 | 4431 | ncr6848 |
| 4208 | ncr6389 | 4264 | ncr6573 | 4320 | ncr6675 | 4376 | ncr6760 | 4432 | ncr6850 |
| 4209 | ncr6390 | 4265 | ncr6575 | 4321 | ncr6676 | 4377 | ncr6764 | 4433 | ncr6851 |
| 4210 | ncr6391 | 4266 | ncr6577 | 4322 | ncr6677 | 4378 | ncr6765 | 4434 | ncr6852 |
| 4211 | ncr6393 | 4267 | ncr6578 | 4323 | ncr6678 | 4379 | ncr6767 | 4435 | ncr6853 |
| 4212 | ncr6394 | 4268 | ncr6579 | 4324 | ncr6679 | 4380 | ncr6768 | 4436 | ncr6854 |
| 4213 | ncr6395 | 4269 | ncr6581 | 4325 | ncr6681 | 4381 | ncr6769 | 4437 | ncr6856 |
| 4214 | ncr6396 | 4270 | ncr6582 | 4326 | ncr6682 | 4382 | ncr6771 | 4438 | ncr6858 |
| 4215 | ncr6398 | 4271 | ncr6584 | 4327 | ncr6683 | 4383 | ncr6772 | 4439 | ncr6859 |
| 4216 | ncr6399 | 4272 | ncr6585 | 4328 | ncr6684 | 4384 | ncr6773 | 4440 | ncr6860 |
| 4217 | ncr6400 | 4273 | ncr6586 | 4329 | ncr6688 | 4385 | ncr6774 | 4441 | ncr6864 |
| 4218 | ncr6401 | 4274 | ncr6588 | 4330 | ncr6690 | 4386 | ncr6775 | 4442 | ncr6866 |
| 4219 | ncr6402 | 4275 | ncr6593 | 4331 | ncr6691 | 4387 | ncr6776 | 4443 | ncr6867 |
| 4220 | ncr6403 | 4276 | ncr6594 | 4332 | ncr6693 | 4388 | ncr6779 | 4444 | ncr6868 |
| 4221 | ncr6404 | 4277 | ncr6595 | 4333 | ncr6694 | 4389 | ncr6780 | 4445 | ncr6869 |
| 4222 | ncr6405 | 4278 | ncr6596 | 4334 | ncr6695 | 4390 | ncr6782 | 4446 | ncr6870 |
| 4223 | ncr6407 | 4279 | ncr6597 | 4335 | ncr6696 | 4391 | ncr6786 | 4447 | ncr6871 |
| 4224 | ncr6408 | 4280 | ncr6598 | 4336 | ncr6697 | 4392 | ncr6787 | 4448 | ncr6873 |
| 4225 | ncr6409 | 4281 | ncr6601 | 4337 | ncr6699 | 4393 | ncr6788 | 4449 | ncr6874 |
| 4226 | ncr6410 | 4282 | ncr6602 | 4338 | ncr6700 | 4394 | ncr6791 | 4450 | ncr6875 |
| 4227 | ncr6411 | 4283 | ncr6603 | 4339 | ncr6702 | 4395 | ncr6792 | 4451 | ncr6877 |
| 4228 | ncr6412 | 4284 | ncr6604 | 4340 | ncr6703 | 4396 | ncr6793 | 4452 | ncr6878 |
| 4229 | ncr6415 | 4285 | ncr6606 | 4341 | ncr6704 | 4397 | ncr6797 | 4453 | ncr6879 |
| 4230 | ncr6416 | 4286 | ncr6608 | 4342 | ncr6705 | 4398 | ncr6800 | 4454 | ncr6880 |
| 4231 | ncr6417 | 4287 | ncr6609 | 4343 | ncr6706 | 4399 | ncr6801 | 4455 | ncr6881 |
| 4232 | ncr6419 | 4288 | ncr6610 | 4344 | ncr6709 | 4400 | ncr6802 | 4456 | ncr6882 |
| 4233 | ncr6420 | 4289 | ncr6612 | 4345 | ncr6711 | 4401 | ncr6803 | 4457 | ncr6883 |
| 4234 | ncr6422 | 4290 | ncr6613 | 4346 | ncr6714 | 4402 | ncr6805 | 4458 | ncr6884 |
| 4235 | ncr6424 | 4291 | ncr6614 | 4347 | ncr6715 | 4403 | ncr6806 | 4459 | ncr6885 |
| 4236 | ncr6425 | 4292 | ncr6619 | 4348 | ncr6716 | 4404 | ncr6807 | 4460 | ncr6886 |
| 4237 | ncr6426 | 4293 | ncr6624 | 4349 | ncr6719 | 4405 | ncr6809 | 4461 | ncr6887 |
| 4238 | ncr6427 | 4294 | ncr6628 | 4350 | ncr6723 | 4406 | ncr6810 | 4462 | ncr6888 |
| 4239 | ncr6428 | 4295 | ncr6631 | 4351 | ncr6725 | 4407 | ncr6811 | 4463 | ncr6891 |
| 4240 | ncr6429 | 4296 | ncr6632 | 4352 | ncr6729 | 4408 | ncr6813 | 4464 | ncr6892 |
| 4241 | ncr6430 | 4297 | ncr6633 | 4353 | ncr6733 | 4409 | ncr6814 | 4465 | ncr6893 |
| 4242 | ncr6431 | 4298 | ncr6635 | 4354 | ncr6734 | 4410 | ncr6815 | 4466 | ncr6894 |
| 4243 | ncr6432 | 4299 | ncr6637 | 4355 | ncr6735 | 4411 | ncr6816 | 4467 | ncr6896 |
| 4244 | ncr6533 | 4300 | ncr6639 | 4356 | ncr6736 | 4412 | ncr6817 | 4468 | ncr6897 |
| 4245 | ncr6535 | 4301 | ncr6640 | 4357 | ncr6739 | 4413 | ncr6818 | 4469 | ncr6898 |
| 4246 | ncr6537 | 4302 | ncr6641 | 4358 | ncr6740 | 4414 | ncr6819 | 4470 | ncr6899 |
| 4247 | ncr6539 | 4303 | ncr6644 | 4359 | ncr6741 | 4415 | ncr6820 | 4471 | ncr6900 |
| 4248 | ncr6540 | 4304 | ncr6647 | 4360 | ncr6743 | 4416 | ncr6821 | 4472 | ncr6901 |
| 4249 | ncr6541 | 4305 | ncr6649 | 4361 | ncr6744 | 4417 | ncr6824 | 4473 | ncr6902 |
| 4250 | ncr6543 | 4306 | ncr6650 | 4362 | ncr6745 | 4418 | ncr6825 | 4474 | ncr6903 |
| 4251 | ncr6547 | 4307 | ncr6651 | 4363 | ncr6746 | 4419 | ncr6826 | 4475 | ncr6905 |
| 4252 | ncr6548 | 4308 | ncr6656 | 4364 | ncr6747 | 4420 | ncr6827 | 4476 | ncr6907 |
| 4253 | ncr6549 | 4309 | ncr6657 | 4365 | ncr6748 | 4421 | ncr6831 | 4477 | ncr6908 |
| 4254 | ncr6552 | 4310 | ncr6658 | 4366 | ncr6749 | 4422 | ncr6832 | 4478 | ncr6909 |
| 4255 | ncr6553 | 4311 | ncr6659 | 4367 | ncr6751 | 4423 | ncr6836 | 4479 | ncr6910 |
| 4256 | ncr6557 | 4312 | ncr6661 | 4368 | ncr6752 | 4424 | ncr6837 | 4480 | ncr6911 |

Figure 6C – Continued

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|------|---------|------|---------|------|---------|------|---------|------|---------|
| 4481 | ncr6912 | 4537 | ncr7006 | 4593 | ncr7091 | 4649 | ncr7171 | 4705 | ncr7255 |
| 4482 | ncr6916 | 4538 | ncr7007 | 4594 | ncr7093 | 4650 | ncr7172 | 4706 | ncr7256 |
| 4483 | ncr6917 | 4539 | ncr7008 | 4595 | ncr7095 | 4651 | ncr7173 | 4707 | ncr7257 |
| 4484 | ncr6919 | 4540 | ncr7013 | 4596 | ncr7096 | 4652 | ncr7175 | 4708 | ncr7258 |
| 4485 | ncr6920 | 4541 | ncr7016 | 4597 | ncr7097 | 4653 | ncr7176 | 4709 | ncr7259 |
| 4486 | ncr6921 | 4542 | ncr7017 | 4598 | ncr7098 | 4654 | ncr7177 | 4710 | ncr7261 |
| 4487 | ncr6923 | 4543 | ncr7019 | 4599 | ncr7099 | 4655 | ncr7178 | 4711 | ncr7262 |
| 4488 | ncr6924 | 4544 | ncr7020 | 4600 | ncr7100 | 4656 | ncr7180 | 4712 | ncr7263 |
| 4489 | ncr6925 | 4545 | ncr7021 | 4601 | ncr7102 | 4657 | ncr7181 | 4713 | ncr7265 |
| 4490 | ncr6927 | 4546 | ncr7023 | 4602 | ncr7103 | 4658 | ncr7182 | 4714 | ncr7266 |
| 4491 | ncr6928 | 4547 | ncr7024 | 4603 | ncr7104 | 4659 | ncr7184 | 4715 | ncr7267 |
| 4492 | ncr6931 | 4548 | ncr7025 | 4604 | ncr7108 | 4660 | ncr7185 | 4716 | ncr7268 |
| 4493 | ncr6932 | 4549 | ncr7027 | 4605 | ncr7109 | 4661 | ncr7187 | 4717 | ncr7270 |
| 4494 | ncr6933 | 4550 | ncr7028 | 4606 | ncr7111 | 4662 | ncr7188 | 4718 | ncr7271 |
| 4495 | ncr6937 | 4551 | ncr7029 | 4607 | ncr7112 | 4663 | ncr7189 | 4719 | ncr7272 |
| 4496 | ncr6938 | 4552 | ncr7031 | 4608 | ncr7115 | 4664 | ncr7190 | 4720 | ncr7275 |
| 4497 | ncr6939 | 4553 | ncr7033 | 4609 | ncr7116 | 4665 | ncr7191 | 4721 | ncr7276 |
| 4498 | ncr6941 | 4554 | ncr7035 | 4610 | ncr7117 | 4666 | ncr7192 | 4722 | ncr7277 |
| 4499 | ncr6943 | 4555 | ncr7036 | 4611 | ncr7119 | 4667 | ncr7193 | 4723 | ncr7279 |
| 4500 | ncr6944 | 4556 | ncr7037 | 4612 | ncr7124 | 4668 | ncr7194 | 4724 | ncr7280 |
| 4501 | ncr6945 | 4557 | ncr7039 | 4613 | ncr7125 | 4669 | ncr7196 | 4725 | ncr7282 |
| 4502 | ncr6946 | 4558 | ncr7041 | 4614 | ncr7127 | 4670 | ncr7197 | 4726 | ncr7284 |
| 4503 | ncr6947 | 4559 | ncr7042 | 4615 | ncr7128 | 4671 | ncr7198 | 4727 | ncr7286 |
| 4504 | ncr6948 | 4560 | ncr7046 | 4616 | ncr7129 | 4672 | ncr7199 | 4728 | ncr7287 |
| 4505 | ncr6951 | 4561 | ncr7047 | 4617 | ncr7131 | 4673 | ncr7204 | 4729 | ncr7288 |
| 4506 | ncr6952 | 4562 | ncr7048 | 4618 | ncr7132 | 4674 | ncr7205 | 4730 | ncr7289 |
| 4507 | ncr6956 | 4563 | ncr7050 | 4619 | ncr7133 | 4675 | ncr7207 | 4731 | ncr7290 |
| 4508 | ncr6957 | 4564 | ncr7051 | 4620 | ncr7136 | 4676 | ncr7211 | 4732 | ncr7291 |
| 4509 | ncr6958 | 4565 | ncr7052 | 4621 | ncr7137 | 4677 | ncr7212 | 4733 | ncr7292 |
| 4510 | ncr6959 | 4566 | ncr7053 | 4622 | ncr7138 | 4678 | ncr7215 | 4734 | ncr7293 |
| 4511 | ncr6961 | 4567 | ncr7055 | 4623 | ncr7139 | 4679 | ncr7216 | 4735 | ncr7294 |
| 4512 | ncr6962 | 4568 | ncr7056 | 4624 | ncr7140 | 4680 | ncr7219 | 4736 | ncr7295 |
| 4513 | ncr6964 | 4569 | ncr7058 | 4625 | ncr7141 | 4681 | ncr7220 | 4737 | ncr7296 |
| 4514 | ncr6966 | 4570 | ncr7062 | 4626 | ncr7142 | 4682 | ncr7223 | 4738 | ncr7299 |
| 4515 | ncr6967 | 4571 | ncr7063 | 4627 | ncr7143 | 4683 | ncr7224 | 4739 | ncr7301 |
| 4516 | ncr6968 | 4572 | ncr7064 | 4628 | ncr7144 | 4684 | ncr7226 | 4740 | ncr7303 |
| 4517 | ncr6970 | 4573 | ncr7066 | 4629 | ncr7147 | 4685 | ncr7227 | 4741 | ncr7307 |
| 4518 | ncr6974 | 4574 | ncr7067 | 4630 | ncr7148 | 4686 | ncr7229 | 4742 | ncr7308 |
| 4519 | ncr6975 | 4575 | ncr7069 | 4631 | ncr7149 | 4687 | ncr7231 | 4743 | ncr7309 |
| 4520 | ncr6977 | 4576 | ncr7070 | 4632 | ncr7150 | 4688 | ncr7232 | 4744 | ncr7312 |
| 4521 | ncr6979 | 4577 | ncr7071 | 4633 | ncr7151 | 4689 | ncr7234 | 4745 | ncr7313 |
| 4522 | ncr6981 | 4578 | ncr7072 | 4634 | ncr7152 | 4690 | ncr7236 | 4746 | ncr7317 |
| 4523 | ncr6983 | 4579 | ncr7074 | 4635 | ncr7155 | 4691 | ncr7238 | 4747 | ncr7322 |
| 4524 | ncr6986 | 4580 | ncr7075 | 4636 | ncr7156 | 4692 | ncr7239 | 4748 | ncr7324 |
| 4525 | ncr6987 | 4581 | ncr7077 | 4637 | ncr7157 | 4693 | ncr7240 | 4749 | ncr7325 |
| 4526 | ncr6988 | 4582 | ncr7078 | 4638 | ncr7158 | 4694 | ncr7242 | 4750 | ncr7326 |
| 4527 | ncr6991 | 4583 | ncr7079 | 4639 | ncr7159 | 4695 | ncr7243 | 4751 | ncr7328 |
| 4528 | ncr6994 | 4584 | ncr7080 | 4640 | ncr7160 | 4696 | ncr7244 | 4752 | ncr7330 |
| 4529 | ncr6995 | 4585 | ncr7081 | 4641 | ncr7161 | 4697 | ncr7245 | 4753 | ncr7331 |
| 4530 | ncr6997 | 4586 | ncr7082 | 4642 | ncr7162 | 4698 | ncr7247 | 4754 | ncr7332 |
| 4531 | ncr6999 | 4587 | ncr7083 | 4643 | ncr7163 | 4699 | ncr7248 | 4755 | ncr7333 |
| 4532 | ncr7000 | 4588 | ncr7085 | 4644 | ncr7164 | 4700 | ncr7249 | 4756 | ncr7334 |
| 4533 | ncr7001 | 4589 | ncr7086 | 4645 | ncr7165 | 4701 | ncr7250 | 4757 | ncr7338 |
| 4534 | ncr7002 | 4590 | ncr7088 | 4646 | ncr7166 | 4702 | ncr7251 | 4758 | ncr7339 |
| 4535 | ncr7003 | 4591 | ncr7089 | 4647 | ncr7168 | 4703 | ncr7253 | 4759 | ncr7341 |
| 4536 | ncr7005 | 4592 | ncr7090 | 4648 | ncr7170 | 4704 | ncr7254 | 4760 | ncr7342 |

Figure 6C – Continued

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|------|---------|------|---------|------|---------|------|---------|------|---------|
| 4761 | ncr7343 | 4817 | ncr7423 | 4873 | ncr7512 | 4929 | ncr7588 | 4985 | ncr7676 |
| 4762 | ncr7344 | 4818 | ncr7425 | 4874 | ncr7513 | 4930 | ncr7589 | 4986 | ncr7678 |
| 4763 | ncr7345 | 4819 | ncr7426 | 4875 | ncr7514 | 4931 | ncr7591 | 4987 | ncr7679 |
| 4764 | ncr7347 | 4820 | ncr7428 | 4876 | ncr7515 | 4932 | ncr7595 | 4988 | ncr7680 |
| 4765 | ncr7348 | 4821 | ncr7429 | 4877 | ncr7516 | 4933 | ncr7596 | 4989 | ncr7682 |
| 4766 | ncr7349 | 4822 | ncr7430 | 4878 | ncr7517 | 4934 | ncr7598 | 4990 | ncr7683 |
| 4767 | ncr7350 | 4823 | ncr7431 | 4879 | ncr7519 | 4935 | ncr7600 | 4991 | ncr7684 |
| 4768 | ncr7351 | 4824 | ncr7432 | 4880 | ncr7520 | 4936 | ncr7601 | 4992 | ncr7688 |
| 4769 | ncr7352 | 4825 | ncr7434 | 4881 | ncr7522 | 4937 | ncr7603 | 4993 | ncr7691 |
| 4770 | ncr7353 | 4826 | ncr7438 | 4882 | ncr7523 | 4938 | ncr7605 | 4994 | ncr7693 |
| 4771 | ncr7354 | 4827 | ncr7448 | 4883 | ncr7525 | 4939 | ncr7606 | 4995 | ncr7694 |
| 4772 | ncr7355 | 4828 | ncr7449 | 4884 | ncr7528 | 4940 | ncr7607 | 4996 | ncr7695 |
| 4773 | ncr7356 | 4829 | ncr7450 | 4885 | ncr7530 | 4941 | ncr7609 | 4997 | ncr7696 |
| 4774 | ncr7357 | 4830 | ncr7451 | 4886 | ncr7531 | 4942 | ncr7617 | 4998 | ncr7697 |
| 4775 | ncr7359 | 4831 | ncr7452 | 4887 | ncr7532 | 4943 | ncr7618 | 4999 | ncr7699 |
| 4776 | ncr7360 | 4832 | ncr7453 | 4888 | ncr7533 | 4944 | ncr7619 | 5000 | ncr7703 |
| 4777 | ncr7361 | 4833 | ncr7454 | 4889 | ncr7534 | 4945 | ncr7621 | 5001 | ncr7705 |
| 4778 | ncr7364 | 4834 | ncr7455 | 4890 | ncr7535 | 4946 | ncr7622 | 5002 | ncr7707 |
| 4779 | ncr7365 | 4835 | ncr7456 | 4891 | ncr7537 | 4947 | ncr7623 | 5003 | ncr7708 |
| 4780 | ncr7366 | 4836 | ncr7458 | 4892 | ncr7538 | 4948 | ncr7624 | 5004 | ncr7709 |
| 4781 | ncr7368 | 4837 | ncr7460 | 4893 | ncr7539 | 4949 | ncr7626 | 5005 | ncr7711 |
| 4782 | ncr7369 | 4838 | ncr7463 | 4894 | ncr7540 | 4950 | ncr7628 | 5006 | ncr7712 |
| 4783 | ncr7371 | 4839 | ncr7464 | 4895 | ncr7541 | 4951 | ncr7629 | 5007 | ncr7713 |
| 4784 | ncr7372 | 4840 | ncr7465 | 4896 | ncr7542 | 4952 | ncr7630 | 5008 | ncr7714 |
| 4785 | ncr7373 | 4841 | ncr7467 | 4897 | ncr7543 | 4953 | ncr7631 | 5009 | ncr7715 |
| 4786 | ncr7374 | 4842 | ncr7468 | 4898 | ncr7544 | 4954 | ncr7632 | 5010 | ncr7716 |
| 4787 | ncr7375 | 4843 | ncr7470 | 4899 | ncr7545 | 4955 | ncr7633 | 5011 | ncr7719 |
| 4788 | ncr7376 | 4844 | ncr7471 | 4900 | ncr7546 | 4956 | ncr7634 | 5012 | ncr7720 |
| 4789 | ncr7377 | 4845 | ncr7472 | 4901 | ncr7547 | 4957 | ncr7636 | 5013 | ncr7722 |
| 4790 | ncr7378 | 4846 | ncr7473 | 4902 | ncr7548 | 4958 | ncr7637 | 5014 | ncr7724 |
| 4791 | ncr7379 | 4847 | ncr7475 | 4903 | ncr7549 | 4959 | ncr7638 | 5015 | ncr7725 |
| 4792 | ncr7381 | 4848 | ncr7476 | 4904 | ncr7551 | 4960 | ncr7639 | 5016 | ncr7726 |
| 4793 | ncr7382 | 4849 | ncr7477 | 4905 | ncr7555 | 4961 | ncr7642 | 5017 | ncr7727 |
| 4794 | ncr7383 | 4850 | ncr7478 | 4906 | ncr7556 | 4962 | ncr7643 | 5018 | ncr7728 |
| 4795 | ncr7385 | 4851 | ncr7479 | 4907 | ncr7557 | 4963 | ncr7644 | 5019 | ncr7729 |
| 4796 | ncr7386 | 4852 | ncr7480 | 4908 | ncr7558 | 4964 | ncr7646 | 5020 | ncr7730 |
| 4797 | ncr7387 | 4853 | ncr7481 | 4909 | ncr7559 | 4965 | ncr7647 | 5021 | ncr7731 |
| 4798 | ncr7388 | 4854 | ncr7482 | 4910 | ncr7560 | 4966 | ncr7648 | 5022 | ncr7732 |
| 4799 | ncr7389 | 4855 | ncr7483 | 4911 | ncr7561 | 4967 | ncr7649 | 5023 | ncr7733 |
| 4800 | ncr7390 | 4856 | ncr7484 | 4912 | ncr7563 | 4968 | ncr7651 | 5024 | ncr7734 |
| 4801 | ncr7392 | 4857 | ncr7485 | 4913 | ncr7564 | 4969 | ncr7652 | 5025 | ncr7735 |
| 4802 | ncr7395 | 4858 | ncr7486 | 4914 | ncr7565 | 4970 | ncr7655 | 5026 | ncr7736 |
| 4803 | ncr7396 | 4859 | ncr7487 | 4915 | ncr7567 | 4971 | ncr7657 | 5027 | ncr7737 |
| 4804 | ncr7397 | 4860 | ncr7488 | 4916 | ncr7568 | 4972 | ncr7661 | 5028 | ncr7739 |
| 4805 | ncr7399 | 4861 | ncr7493 | 4917 | ncr7569 | 4973 | ncr7663 | 5029 | ncr7740 |
| 4806 | ncr7400 | 4862 | ncr7495 | 4918 | ncr7570 | 4974 | ncr7664 | 5030 | ncr7741 |
| 4807 | ncr7407 | 4863 | ncr7499 | 4919 | ncr7571 | 4975 | ncr7665 | 5031 | ncr7742 |
| 4808 | ncr7408 | 4864 | ncr7500 | 4920 | ncr7573 | 4976 | ncr7666 | 5032 | ncr7744 |
| 4809 | ncr7409 | 4865 | ncr7501 | 4921 | ncr7574 | 4977 | ncr7668 | 5033 | ncr7746 |
| 4810 | ncr7411 | 4866 | ncr7503 | 4922 | ncr7576 | 4978 | ncr7669 | 5034 | ncr7747 |
| 4811 | ncr7412 | 4867 | ncr7504 | 4923 | ncr7577 | 4979 | ncr7670 | 5035 | ncr7748 |
| 4812 | ncr7413 | 4868 | ncr7505 | 4924 | ncr7578 | 4980 | ncr7671 | 5036 | ncr7749 |
| 4813 | ncr7417 | 4869 | ncr7507 | 4925 | ncr7579 | 4981 | ncr7672 | 5037 | ncr7750 |
| 4814 | ncr7418 | 4870 | ncr7508 | 4926 | ncr7580 | 4982 | ncr7673 | 5038 | ncr7751 |
| 4815 | ncr7419 | 4871 | ncr7509 | 4927 | ncr7581 | 4983 | ncr7674 | 5039 | ncr7752 |
| 4816 | ncr7420 | 4872 | ncr7511 | 4928 | ncr7582 | 4984 | ncr7675 | 5040 | ncr7753 |

Figure 6C – Continued

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|------|---------|------|---------|------|---------|------|---------|------|---------|
| 5041 | ncr7754 | 5097 | ncr7834 | 5153 | ncr7917 | 5209 | ncr7995 | 5265 | ncr8080 |
| 5042 | ncr7755 | 5098 | ncr7835 | 5154 | ncr7918 | 5210 | ncr7996 | 5266 | ncr8081 |
| 5043 | ncr7756 | 5099 | ncr7836 | 5155 | ncr7919 | 5211 | ncr7999 | 5267 | ncr8083 |
| 5044 | ncr7757 | 5100 | ncr7837 | 5156 | ncr7921 | 5212 | ncr8001 | 5268 | ncr8085 |
| 5045 | ncr7758 | 5101 | ncr7838 | 5157 | ncr7922 | 5213 | ncr8003 | 5269 | ncr8086 |
| 5046 | ncr7759 | 5102 | ncr7839 | 5158 | ncr7923 | 5214 | ncr8005 | 5270 | ncr8089 |
| 5047 | ncr7760 | 5103 | ncr7840 | 5159 | ncr7924 | 5215 | ncr8007 | 5271 | ncr8091 |
| 5048 | ncr7762 | 5104 | ncr7841 | 5160 | ncr7925 | 5216 | ncr8008 | 5272 | ncr8092 |
| 5049 | ncr7763 | 5105 | ncr7843 | 5161 | ncr7926 | 5217 | ncr8012 | 5273 | ncr8093 |
| 5050 | ncr7764 | 5106 | ncr7844 | 5162 | ncr7927 | 5218 | ncr8013 | 5274 | ncr8095 |
| 5051 | ncr7765 | 5107 | ncr7845 | 5163 | ncr7929 | 5219 | ncr8015 | 5275 | ncr8096 |
| 5052 | ncr7767 | 5108 | ncr7846 | 5164 | ncr7931 | 5220 | ncr8017 | 5276 | ncr8097 |
| 5053 | ncr7768 | 5109 | ncr7848 | 5165 | ncr7932 | 5221 | ncr8018 | 5277 | ncr8099 |
| 5054 | ncr7769 | 5110 | ncr7849 | 5166 | ncr7933 | 5222 | ncr8019 | 5278 | ncr8100 |
| 5055 | ncr7770 | 5111 | ncr7850 | 5167 | ncr7934 | 5223 | ncr8020 | 5279 | ncr8101 |
| 5056 | ncr7771 | 5112 | ncr7852 | 5168 | ncr7936 | 5224 | ncr8024 | 5280 | ncr8103 |
| 5057 | ncr7772 | 5113 | ncr7853 | 5169 | ncr7937 | 5225 | ncr8025 | 5281 | ncr8107 |
| 5058 | ncr7773 | 5114 | ncr7854 | 5170 | ncr7938 | 5226 | ncr8026 | 5282 | ncr8108 |
| 5059 | ncr7774 | 5115 | ncr7855 | 5171 | ncr7941 | 5227 | ncr8027 | 5283 | ncr8109 |
| 5060 | ncr7775 | 5116 | ncr7857 | 5172 | ncr7943 | 5228 | ncr8030 | 5284 | ncr8110 |
| 5061 | ncr7776 | 5117 | ncr7859 | 5173 | ncr7944 | 5229 | ncr8031 | 5285 | ncr8111 |
| 5062 | ncr7778 | 5118 | ncr7862 | 5174 | ncr7945 | 5230 | ncr8032 | 5286 | ncr8112 |
| 5063 | ncr7780 | 5119 | ncr7863 | 5175 | ncr7946 | 5231 | ncr8033 | 5287 | ncr8113 |
| 5064 | ncr7783 | 5120 | ncr7864 | 5176 | ncr7947 | 5232 | ncr8034 | 5288 | ncr8114 |
| 5065 | ncr7784 | 5121 | ncr7869 | 5177 | ncr7948 | 5233 | ncr8035 | 5289 | ncr8115 |
| 5066 | ncr7787 | 5122 | ncr7871 | 5178 | ncr7949 | 5234 | ncr8036 | 5290 | ncr8116 |
| 5067 | ncr7788 | 5123 | ncr7875 | 5179 | ncr7951 | 5235 | ncr8038 | 5291 | ncr8118 |
| 5068 | ncr7789 | 5124 | ncr7876 | 5180 | ncr7952 | 5236 | ncr8039 | 5292 | ncr8119 |
| 5069 | ncr7791 | 5125 | ncr7877 | 5181 | ncr7953 | 5237 | ncr8040 | 5293 | ncr8121 |
| 5070 | ncr7792 | 5126 | ncr7879 | 5182 | ncr7955 | 5238 | ncr8041 | 5294 | ncr8122 |
| 5071 | ncr7793 | 5127 | ncr7880 | 5183 | ncr7956 | 5239 | ncr8042 | 5295 | ncr8124 |
| 5072 | ncr7795 | 5128 | ncr7881 | 5184 | ncr7957 | 5240 | ncr8044 | 5296 | ncr8125 |
| 5073 | ncr7796 | 5129 | ncr7883 | 5185 | ncr7958 | 5241 | ncr8046 | 5297 | ncr8126 |
| 5074 | ncr7797 | 5130 | ncr7884 | 5186 | ncr7959 | 5242 | ncr8047 | 5298 | ncr8127 |
| 5075 | ncr7799 | 5131 | ncr7885 | 5187 | ncr7960 | 5243 | ncr8049 | 5299 | ncr8128 |
| 5076 | ncr7801 | 5132 | ncr7888 | 5188 | ncr7961 | 5244 | ncr8052 | 5300 | ncr8129 |
| 5077 | ncr7802 | 5133 | ncr7889 | 5189 | ncr7962 | 5245 | ncr8053 | 5301 | ncr8130 |
| 5078 | ncr7803 | 5134 | ncr7891 | 5190 | ncr7964 | 5246 | ncr8054 | 5302 | ncr8131 |
| 5079 | ncr7805 | 5135 | ncr7892 | 5191 | ncr7965 | 5247 | ncr8055 | 5303 | ncr8132 |
| 5080 | ncr7808 | 5136 | ncr7893 | 5192 | ncr7966 | 5248 | ncr8056 | 5304 | ncr8133 |
| 5081 | ncr7809 | 5137 | ncr7895 | 5193 | ncr7967 | 5249 | ncr8058 | 5305 | ncr8134 |
| 5082 | ncr7810 | 5138 | ncr7896 | 5194 | ncr7968 | 5250 | ncr8059 | 5306 | ncr8137 |
| 5083 | ncr7812 | 5139 | ncr7897 | 5195 | ncr7971 | 5251 | ncr8060 | 5307 | ncr8138 |
| 5084 | ncr7813 | 5140 | ncr7900 | 5196 | ncr7973 | 5252 | ncr8061 | 5308 | ncr8139 |
| 5085 | ncr7815 | 5141 | ncr7901 | 5197 | ncr7975 | 5253 | ncr8062 | 5309 | ncr8141 |
| 5086 | ncr7816 | 5142 | ncr7903 | 5198 | ncr7976 | 5254 | ncr8063 | 5310 | ncr8142 |
| 5087 | ncr7818 | 5143 | ncr7904 | 5199 | ncr7979 | 5255 | ncr8064 | 5311 | ncr8144 |
| 5088 | ncr7819 | 5144 | ncr7905 | 5200 | ncr7983 | 5256 | ncr8067 | 5312 | ncr8146 |
| 5089 | ncr7820 | 5145 | ncr7906 | 5201 | ncr7984 | 5257 | ncr8068 | 5313 | ncr8147 |
| 5090 | ncr7823 | 5146 | ncr7907 | 5202 | ncr7985 | 5258 | ncr8069 | 5314 | ncr8148 |
| 5091 | ncr7824 | 5147 | ncr7908 | 5203 | ncr7987 | 5259 | ncr8071 | 5315 | ncr8149 |
| 5092 | ncr7826 | 5148 | ncr7909 | 5204 | ncr7988 | 5260 | ncr8073 | 5316 | ncr8150 |
| 5093 | ncr7827 | 5149 | ncr7910 | 5205 | ncr7989 | 5261 | ncr8075 | 5317 | ncr8151 |
| 5094 | ncr7828 | 5150 | ncr7912 | 5206 | ncr7991 | 5262 | ncr8076 | 5318 | ncr8152 |
| 5095 | ncr7829 | 5151 | ncr7914 | 5207 | ncr7992 | 5263 | ncr8077 | 5319 | ncr8153 |
| 5096 | ncr7831 | 5152 | ncr7915 | 5208 | ncr7994 | 5264 | ncr8079 | 5320 | ncr8154 |

Figure 6C -- Continued

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|------|---------|------|---------|------|---------|------|---------|------|---------|
| 5321 | ncr8156 | 5377 | ncr8239 | 5433 | ncr8322 | 5489 | ncr8414 | 5545 | ncr8495 |
| 5322 | ncr8157 | 5378 | ncr8241 | 5434 | ncr8324 | 5490 | ncr8415 | 5546 | ncr8498 |
| 5323 | ncr8158 | 5379 | ncr8242 | 5435 | ncr8326 | 5491 | ncr8416 | 5547 | ncr8499 |
| 5324 | ncr8160 | 5380 | ncr8243 | 5436 | ncr8328 | 5492 | ncr8418 | 5548 | ncr8500 |
| 5325 | ncr8164 | 5381 | ncr8244 | 5437 | ncr8329 | 5493 | ncr8419 | 5549 | ncr8503 |
| 5326 | ncr8166 | 5382 | ncr8245 | 5438 | ncr8330 | 5494 | ncr8420 | 5550 | ncr8504 |
| 5327 | ncr8167 | 5383 | ncr8247 | 5439 | ncr8331 | 5495 | ncr8422 | 5551 | ncr8507 |
| 5328 | ncr8169 | 5384 | ncr8248 | 5440 | ncr8335 | 5496 | ncr8423 | 5552 | ncr8508 |
| 5329 | ncr8171 | 5385 | ncr8249 | 5441 | ncr8336 | 5497 | ncr8424 | 5553 | ncr8509 |
| 5330 | ncr8172 | 5386 | ncr8250 | 5442 | ncr8337 | 5498 | ncr8426 | 5554 | ncr8511 |
| 5331 | ncr8173 | 5387 | ncr8251 | 5443 | ncr8340 | 5499 | ncr8429 | 5555 | ncr8512 |
| 5332 | ncr8174 | 5388 | ncr8252 | 5444 | ncr8341 | 5500 | ncr8431 | 5556 | ncr8514 |
| 5333 | ncr8175 | 5389 | ncr8253 | 5445 | ncr8342 | 5501 | ncr8432 | 5557 | ncr8516 |
| 5334 | ncr8176 | 5390 | ncr8254 | 5446 | ncr8343 | 5502 | ncr8433 | 5558 | ncr8517 |
| 5335 | ncr8177 | 5391 | ncr8256 | 5447 | ncr8346 | 5503 | ncr8434 | 5559 | ncr8519 |
| 5336 | ncr8180 | 5392 | ncr8259 | 5448 | ncr8347 | 5504 | ncr8436 | 5560 | ncr8521 |
| 5337 | ncr8181 | 5393 | ncr8260 | 5449 | ncr8348 | 5505 | ncr8437 | 5561 | ncr8522 |
| 5338 | ncr8182 | 5394 | ncr8261 | 5450 | ncr8349 | 5506 | ncr8438 | 5562 | ncr8523 |
| 5339 | ncr8183 | 5395 | ncr8263 | 5451 | ncr8350 | 5507 | ncr8439 | 5563 | ncr8524 |
| 5340 | ncr8184 | 5396 | ncr8267 | 5452 | ncr8351 | 5508 | ncr8440 | 5564 | ncr8527 |
| 5341 | ncr8186 | 5397 | ncr8268 | 5453 | ncr8352 | 5509 | ncr8441 | 5565 | ncr8528 |
| 5342 | ncr8187 | 5398 | ncr8272 | 5454 | ncr8355 | 5510 | ncr8442 | 5566 | ncr8529 |
| 5343 | ncr8188 | 5399 | ncr8273 | 5455 | ncr8356 | 5511 | ncr8443 | 5567 | ncr8530 |
| 5344 | ncr8189 | 5400 | ncr8275 | 5456 | ncr8357 | 5512 | ncr8444 | 5568 | ncr8532 |
| 5345 | ncr8191 | 5401 | ncr8276 | 5457 | ncr8360 | 5513 | ncr8447 | 5569 | ncr8535 |
| 5346 | ncr8192 | 5402 | ncr8277 | 5458 | ncr8361 | 5514 | ncr8448 | 5570 | ncr8536 |
| 5347 | ncr8193 | 5403 | ncr8280 | 5459 | ncr8363 | 5515 | ncr8451 | 5571 | ncr8537 |
| 5348 | ncr8197 | 5404 | ncr8281 | 5460 | ncr8364 | 5516 | ncr8452 | 5572 | ncr8538 |
| 5349 | ncr8198 | 5405 | ncr8282 | 5461 | ncr8367 | 5517 | ncr8453 | 5573 | ncr8539 |
| 5350 | ncr8199 | 5406 | ncr8284 | 5462 | ncr8368 | 5518 | ncr8456 | 5574 | ncr8540 |
| 5351 | ncr8200 | 5407 | ncr8287 | 5463 | ncr8372 | 5519 | ncr8459 | 5575 | ncr8542 |
| 5352 | ncr8202 | 5408 | ncr8288 | 5464 | ncr8373 | 5520 | ncr8463 | 5576 | ncr8543 |
| 5353 | ncr8203 | 5409 | ncr8289 | 5465 | ncr8375 | 5521 | ncr8464 | 5577 | ncr8544 |
| 5354 | ncr8207 | 5410 | ncr8290 | 5466 | ncr8376 | 5522 | ncr8467 | 5578 | ncr8546 |
| 5355 | ncr8208 | 5411 | ncr8291 | 5467 | ncr8377 | 5523 | ncr8468 | 5579 | ncr8547 |
| 5356 | ncr8210 | 5412 | ncr8292 | 5468 | ncr8378 | 5524 | ncr8469 | 5580 | ncr8548 |
| 5357 | ncr8211 | 5413 | ncr8293 | 5469 | ncr8381 | 5525 | ncr8471 | 5581 | ncr8551 |
| 5358 | ncr8212 | 5414 | ncr8294 | 5470 | ncr8386 | 5526 | ncr8472 | 5582 | ncr8555 |
| 5359 | ncr8215 | 5415 | ncr8295 | 5471 | ncr8390 | 5527 | ncr8473 | 5583 | ncr8556 |
| 5360 | ncr8216 | 5416 | ncr8296 | 5472 | ncr8392 | 5528 | ncr8475 | 5584 | ncr8560 |
| 5361 | ncr8219 | 5417 | ncr8299 | 5473 | ncr8394 | 5529 | ncr8476 | 5585 | ncr8563 |
| 5362 | ncr8220 | 5418 | ncr8300 | 5474 | ncr8395 | 5530 | ncr8477 | 5586 | ncr8565 |
| 5363 | ncr8221 | 5419 | ncr8301 | 5475 | ncr8396 | 5531 | ncr8479 | 5587 | ncr8568 |
| 5364 | ncr8224 | 5420 | ncr8302 | 5476 | ncr8397 | 5532 | ncr8481 | 5588 | ncr8569 |
| 5365 | ncr8225 | 5421 | ncr8303 | 5477 | ncr8398 | 5533 | ncr8482 | 5589 | ncr8572 |
| 5366 | ncr8226 | 5422 | ncr8304 | 5478 | ncr8399 | 5534 | ncr8483 | 5590 | ncr8573 |
| 5367 | ncr8227 | 5423 | ncr8305 | 5479 | ncr8400 | 5535 | ncr8484 | 5591 | ncr8575 |
| 5368 | ncr8228 | 5424 | ncr8309 | 5480 | ncr8401 | 5536 | ncr8485 | 5592 | ncr8578 |
| 5369 | ncr8230 | 5425 | ncr8310 | 5481 | ncr8402 | 5537 | ncr8486 | 5593 | ncr8579 |
| 5370 | ncr8231 | 5426 | ncr8311 | 5482 | ncr8404 | 5538 | ncr8487 | 5594 | ncr8584 |
| 5371 | ncr8232 | 5427 | ncr8313 | 5483 | ncr8405 | 5539 | ncr8488 | 5595 | ncr8588 |
| 5372 | ncr8233 | 5428 | ncr8314 | 5484 | ncr8406 | 5540 | ncr8490 | 5596 | ncr8589 |
| 5373 | ncr8234 | 5429 | ncr8316 | 5485 | ncr8407 | 5541 | ncr8491 | 5597 | ncr8593 |
| 5374 | ncr8235 | 5430 | ncr8317 | 5486 | ncr8409 | 5542 | ncr8492 | 5598 | ncr8594 |
| 5375 | ncr8236 | 5431 | ncr8318 | 5487 | ncr8411 | 5543 | ncr8493 | 5599 | ncr8595 |
| 5376 | ncr8237 | 5432 | ncr8320 | 5488 | ncr8413 | 5544 | ncr8494 | 5600 | ncr8596 |

Figure 6C - Continued

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|------|---------|------|---------|------|---------|------|---------|------|---------|
| 5601 | ncr8597 | 5657 | ncr8687 | 5713 | ncr8769 | 5769 | ncr8852 | 5825 | ncr8922 |
| 5602 | ncr8598 | 5658 | ncr8688 | 5714 | ncr8770 | 5770 | ncr8853 | 5826 | ncr8923 |
| 5603 | ncr8599 | 5659 | ncr8689 | 5715 | ncr8775 | 5771 | ncr8855 | 5827 | ncr8924 |
| 5604 | ncr8601 | 5660 | ncr8692 | 5716 | ncr8776 | 5772 | ncr8856 | 5828 | ncr8926 |
| 5605 | ncr8602 | 5661 | ncr8693 | 5717 | ncr8779 | 5773 | ncr8857 | 5829 | ncr8928 |
| 5606 | ncr8603 | 5662 | ncr8694 | 5718 | ncr8780 | 5774 | ncr8858 | 5830 | ncr8932 |
| 5607 | ncr8606 | 5663 | ncr8695 | 5719 | ncr8782 | 5775 | ncr8859 | 5831 | ncr8933 |
| 5608 | ncr8607 | 5664 | ncr8698 | 5720 | ncr8784 | 5776 | ncr8860 | 5832 | ncr8935 |
| 5609 | ncr8609 | 5665 | ncr8699 | 5721 | ncr8785 | 5777 | ncr8861 | 5833 | ncr8936 |
| 5610 | ncr8610 | 5666 | ncr8701 | 5722 | ncr8787 | 5778 | ncr8863 | 5834 | ncr8937 |
| 5611 | ncr8611 | 5667 | ncr8702 | 5723 | ncr8790 | 5779 | ncr8865 | 5835 | ncr8939 |
| 5612 | ncr8612 | 5668 | ncr8703 | 5724 | ncr8791 | 5780 | ncr8866 | 5836 | ncr8940 |
| 5613 | ncr8613 | 5669 | ncr8704 | 5725 | ncr8792 | 5781 | ncr8867 | 5837 | ncr8941 |
| 5614 | ncr8615 | 5670 | ncr8705 | 5726 | ncr8793 | 5782 | ncr8868 | 5838 | ncr8944 |
| 5615 | ncr8616 | 5671 | ncr8706 | 5727 | ncr8794 | 5783 | ncr8869 | 5839 | ncr8945 |
| 5616 | ncr8619 | 5672 | ncr8707 | 5728 | ncr8795 | 5784 | ncr8870 | 5840 | ncr8949 |
| 5617 | ncr8620 | 5673 | ncr8708 | 5729 | ncr8796 | 5785 | ncr8871 | 5841 | ncr8951 |
| 5618 | ncr8621 | 5674 | ncr8709 | 5730 | ncr8797 | 5786 | ncr8872 | 5842 | ncr8952 |
| 5619 | ncr8622 | 5675 | ncr8710 | 5731 | ncr8798 | 5787 | ncr8874 | 5843 | ncr8953 |
| 5620 | ncr8623 | 5676 | ncr8711 | 5732 | ncr8799 | 5788 | ncr8876 | 5844 | ncr8954 |
| 5621 | ncr8624 | 5677 | ncr8712 | 5733 | ncr8801 | 5789 | ncr8877 | 5845 | ncr8959 |
| 5622 | ncr8627 | 5678 | ncr8713 | 5734 | ncr8802 | 5790 | ncr8878 | 5846 | ncr8960 |
| 5623 | ncr8628 | 5679 | ncr8714 | 5735 | ncr8803 | 5791 | ncr8879 | 5847 | ncr8961 |
| 5624 | ncr8629 | 5680 | ncr8715 | 5736 | ncr8804 | 5792 | ncr8882 | 5848 | ncr8962 |
| 5625 | ncr8630 | 5681 | ncr8716 | 5737 | ncr8805 | 5793 | ncr8883 | 5849 | ncr8963 |
| 5626 | ncr8631 | 5682 | ncr8717 | 5738 | ncr8808 | 5794 | ncr8884 | 5850 | ncr8964 |
| 5627 | ncr8633 | 5683 | ncr8719 | 5739 | ncr8809 | 5795 | ncr8885 | 5851 | ncr8966 |
| 5628 | ncr8634 | 5684 | ncr8720 | 5740 | ncr8811 | 5796 | ncr8886 | 5852 | ncr8967 |
| 5629 | ncr8635 | 5685 | ncr8721 | 5741 | ncr8813 | 5797 | ncr8887 | 5853 | ncr8971 |
| 5630 | ncr8636 | 5686 | ncr8723 | 5742 | ncr8814 | 5798 | ncr8889 | 5854 | ncr8973 |
| 5631 | ncr8637 | 5687 | ncr8724 | 5743 | ncr8815 | 5799 | ncr8890 | 5855 | ncr8974 |
| 5632 | ncr8639 | 5688 | ncr8725 | 5744 | ncr8817 | 5800 | ncr8891 | 5856 | ncr8975 |
| 5633 | ncr8640 | 5689 | ncr8726 | 5745 | ncr8818 | 5801 | ncr8892 | 5857 | ncr8976 |
| 5634 | ncr8645 | 5690 | ncr8727 | 5746 | ncr8819 | 5802 | ncr8893 | 5858 | ncr8977 |
| 5635 | ncr8647 | 5691 | ncr8728 | 5747 | ncr8820 | 5803 | ncr8895 | 5859 | ncr8978 |
| 5636 | ncr8648 | 5692 | ncr8730 | 5748 | ncr8821 | 5804 | ncr8896 | 5860 | ncr8981 |
| 5637 | ncr8649 | 5693 | ncr8732 | 5749 | ncr8823 | 5805 | ncr8898 | 5861 | ncr8982 |
| 5638 | ncr8651 | 5694 | ncr8733 | 5750 | ncr8824 | 5806 | ncr8899 | 5862 | ncr8983 |
| 5639 | ncr8652 | 5695 | ncr8734 | 5751 | ncr8826 | 5807 | ncr8900 | 5863 | ncr8984 |
| 5640 | ncr8655 | 5696 | ncr8735 | 5752 | ncr8827 | 5808 | ncr8901 | 5864 | ncr8985 |
| 5641 | ncr8659 | 5697 | ncr8736 | 5753 | ncr8828 | 5809 | ncr8902 | 5865 | ncr8986 |
| 5642 | ncr8660 | 5698 | ncr8739 | 5754 | ncr8829 | 5810 | ncr8904 | 5866 | ncr8987 |
| 5643 | ncr8663 | 5699 | ncr8741 | 5755 | ncr8831 | 5811 | ncr8905 | 5867 | ncr8988 |
| 5644 | ncr8665 | 5700 | ncr8743 | 5756 | ncr8835 | 5812 | ncr8906 | 5868 | ncr8989 |
| 5645 | ncr8666 | 5701 | ncr8749 | 5757 | ncr8836 | 5813 | ncr8908 | 5869 | ncr8990 |
| 5646 | ncr8667 | 5702 | ncr8751 | 5758 | ncr8839 | 5814 | ncr8909 | 5870 | ncr8991 |
| 5647 | ncr8668 | 5703 | ncr8752 | 5759 | ncr8840 | 5815 | ncr8910 | 5871 | ncr8992 |
| 5648 | ncr8669 | 5704 | ncr8756 | 5760 | ncr8841 | 5816 | ncr8911 | 5872 | ncr8993 |
| 5649 | ncr8671 | 5705 | ncr8757 | 5761 | ncr8843 | 5817 | ncr8912 | 5873 | ncr8994 |
| 5650 | ncr8672 | 5706 | ncr8759 | 5762 | ncr8844 | 5818 | ncr8913 | 5874 | ncr8995 |
| 5651 | ncr8677 | 5707 | ncr8760 | 5763 | ncr8845 | 5819 | ncr8914 | 5875 | ncr8997 |
| 5652 | ncr8678 | 5708 | ncr8761 | 5764 | ncr8846 | 5820 | ncr8917 | 5876 | ncr8998 |
| 5653 | ncr8680 | 5709 | ncr8762 | 5765 | ncr8847 | 5821 | ncr8918 | 5877 | ncr9000 |
| 5654 | ncr8684 | 5710 | ncr8763 | 5766 | ncr8848 | 5822 | ncr8919 | 5878 | ncr9001 |
| 5655 | ncr8685 | 5711 | ncr8764 | 5767 | ncr8849 | 5823 | ncr8920 | 5879 | ncr9002 |
| 5656 | ncr8686 | 5712 | ncr8767 | 5768 | ncr8851 | 5824 | ncr8921 | 5880 | ncr9003 |

Figure 6C - Continued

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|------|---------|------|---------|------|---------|------|---------|------|---------|
| 5881 | ncr9004 | 5937 | ncr9103 | 5993 | ncr9186 | 6049 | ncr9356 | 6105 | ncr9436 |
| 5882 | ncr9005 | 5938 | ncr9105 | 5994 | ncr9191 | 6050 | ncr9359 | 6106 | ncr9439 |
| 5883 | ncr9008 | 5939 | ncr9107 | 5995 | ncr9193 | 6051 | ncr9360 | 6107 | ncr9440 |
| 5884 | ncr9010 | 5940 | ncr9108 | 5996 | ncr9195 | 6052 | ncr9361 | 6108 | ncr9441 |
| 5885 | ncr9011 | 5941 | ncr9109 | 5997 | ncr9199 | 6053 | ncr9362 | 6109 | ncr9442 |
| 5886 | ncr9012 | 5942 | ncr9110 | 5998 | ncr9200 | 6054 | ncr9363 | 6110 | ncr9446 |
| 5887 | ncr9015 | 5943 | ncr9111 | 5999 | ncr9201 | 6055 | ncr9364 | 6111 | ncr9448 |
| 5888 | ncr9016 | 5944 | ncr9112 | 6000 | ncr9202 | 6056 | ncr9365 | 6112 | ncr9450 |
| 5889 | ncr9018 | 5945 | ncr9113 | 6001 | ncr9203 | 6057 | ncr9366 | 6113 | ncr9453 |
| 5890 | ncr9019 | 5946 | ncr9114 | 6002 | ncr9204 | 6058 | ncr9368 | 6114 | ncr9454 |
| 5891 | ncr9020 | 5947 | ncr9115 | 6003 | ncr9206 | 6059 | ncr9369 | 6115 | ncr9456 |
| 5892 | ncr9022 | 5948 | ncr9116 | 6004 | ncr9208 | 6060 | ncr9370 | 6116 | ncr9458 |
| 5893 | ncr9023 | 5949 | ncr9117 | 6005 | ncr9209 | 6061 | ncr9371 | 6117 | ncr9459 |
| 5894 | ncr9024 | 5950 | ncr9118 | 6006 | ncr9211 | 6062 | ncr9372 | 6118 | ncr9460 |
| 5895 | ncr9027 | 5951 | ncr9119 | 6007 | ncr9214 | 6063 | ncr9373 | 6119 | ncr9461 |
| 5896 | ncr9031 | 5952 | ncr9120 | 6008 | ncr9215 | 6064 | ncr9375 | 6120 | ncr9462 |
| 5897 | ncr9032 | 5953 | ncr9123 | 6009 | ncr9274 | 6065 | ncr9376 | 6121 | ncr9463 |
| 5898 | ncr9033 | 5954 | ncr9124 | 6010 | ncr9282 | 6066 | ncr9377 | 6122 | ncr9464 |
| 5899 | ncr9035 | 5955 | ncr9125 | 6011 | ncr9289 | 6067 | ncr9378 | 6123 | ncr9465 |
| 5900 | ncr9036 | 5956 | ncr9127 | 6012 | ncr9297 | 6068 | ncr9379 | 6124 | ncr9466 |
| 5901 | ncr9038 | 5957 | ncr9129 | 6013 | ncr9298 | 6069 | ncr9381 | 6125 | ncr9469 |
| 5902 | ncr9039 | 5958 | ncr9132 | 6014 | ncr9299 | 6070 | ncr9382 | 6126 | ncr9470 |
| 5903 | ncr9040 | 5959 | ncr9133 | 6015 | ncr9304 | 6071 | ncr9383 | 6127 | ncr9472 |
| 5904 | ncr9044 | 5960 | ncr9135 | 6016 | ncr9305 | 6072 | ncr9384 | 6128 | ncr9473 |
| 5905 | ncr9047 | 5961 | ncr9136 | 6017 | ncr9307 | 6073 | ncr9385 | 6129 | ncr9475 |
| 5906 | ncr9049 | 5962 | ncr9137 | 6018 | ncr9308 | 6074 | ncr9386 | 6130 | ncr9476 |
| 5907 | ncr9050 | 5963 | ncr9140 | 6019 | ncr9310 | 6075 | ncr9388 | 6131 | ncr9477 |
| 5908 | ncr9052 | 5964 | ncr9141 | 6020 | ncr9312 | 6076 | ncr9389 | 6132 | ncr9478 |
| 5909 | ncr9053 | 5965 | ncr9142 | 6021 | ncr9313 | 6077 | ncr9390 | 6133 | ncr9479 |
| 5910 | ncr9055 | 5966 | ncr9147 | 6022 | ncr9314 | 6078 | ncr9391 | 6134 | ncr9480 |
| 5911 | ncr9056 | 5967 | ncr9148 | 6023 | ncr9316 | 6079 | ncr9392 | 6135 | ncr9481 |
| 5912 | ncr9057 | 5968 | ncr9149 | 6024 | ncr9319 | 6080 | ncr9393 | 6136 | ncr9483 |
| 5913 | ncr9059 | 5969 | ncr9152 | 6025 | ncr9320 | 6081 | ncr9395 | 6137 | ncr9485 |
| 5914 | ncr9060 | 5970 | ncr9153 | 6026 | ncr9321 | 6082 | ncr9396 | 6138 | ncr9486 |
| 5915 | ncr9061 | 5971 | ncr9154 | 6027 | ncr9323 | 6083 | ncr9398 | 6139 | ncr9487 |
| 5916 | ncr9063 | 5972 | ncr9155 | 6028 | ncr9324 | 6084 | ncr9400 | 6140 | ncr9489 |
| 5917 | ncr9064 | 5973 | ncr9156 | 6029 | ncr9325 | 6085 | ncr9401 | 6141 | ncr9491 |
| 5918 | ncr9066 | 5974 | ncr9157 | 6030 | ncr9326 | 6086 | ncr9403 | 6142 | ncr9492 |
| 5919 | ncr9070 | 5975 | ncr9159 | 6031 | ncr9327 | 6087 | ncr9404 | 6143 | ncr9493 |
| 5920 | ncr9071 | 5976 | ncr9160 | 6032 | ncr9328 | 6088 | ncr9405 | 6144 | ncr9495 |
| 5921 | ncr9075 | 5977 | ncr9162 | 6033 | ncr9331 | 6089 | ncr9407 | 6145 | ncr9496 |
| 5922 | ncr9076 | 5978 | ncr9163 | 6034 | ncr9332 | 6090 | ncr9408 | 6146 | ncr9497 |
| 5923 | ncr9079 | 5979 | ncr9164 | 6035 | ncr9336 | 6091 | ncr9413 | 6147 | ncr9498 |
| 5924 | ncr9081 | 5980 | ncr9165 | 6036 | ncr9337 | 6092 | ncr9415 | 6148 | ncr9499 |
| 5925 | ncr9082 | 5981 | ncr9166 | 6037 | ncr9339 | 6093 | ncr9416 | 6149 | ncr9500 |
| 5926 | ncr9085 | 5982 | ncr9167 | 6038 | ncr9340 | 6094 | ncr9419 | 6150 | ncr9501 |
| 5927 | ncr9086 | 5983 | ncr9168 | 6039 | ncr9341 | 6095 | ncr9420 | 6151 | ncr9502 |
| 5928 | ncr9088 | 5984 | ncr9169 | 6040 | ncr9343 | 6096 | ncr9421 | 6152 | ncr9503 |
| 5929 | ncr9090 | 5985 | ncr9170 | 6041 | ncr9344 | 6097 | ncr9422 | 6153 | ncr9504 |
| 5930 | ncr9092 | 5986 | ncr9171 | 6042 | ncr9346 | 6098 | ncr9424 | 6154 | ncr9505 |
| 5931 | ncr9094 | 5987 | ncr9173 | 6043 | ncr9347 | 6099 | ncr9425 | 6155 | ncr9507 |
| 5932 | ncr9095 | 5988 | ncr9174 | 6044 | ncr9348 | 6100 | ncr9429 | 6156 | ncr9508 |
| 5933 | ncr9096 | 5989 | ncr9175 | 6045 | ncr9349 | 6101 | ncr9431 | 6157 | ncr9509 |
| 5934 | ncr9098 | 5990 | ncr9177 | 6046 | ncr9350 | 6102 | ncr9432 | 6158 | ncr9511 |
| 5935 | ncr9101 | 5991 | ncr9178 | 6047 | ncr9351 | 6103 | ncr9433 | 6159 | ncr9515 |
| 5936 | ncr9102 | 5992 | ncr9179 | 6048 | ncr9352 | 6104 | ncr9435 | 6160 | ncr9516 |

Figure 6C -- Continued

| | | | | | | | | | |
|------|---------|------|---------|------|---------|------|---------|------|---------|
| 6161 | ncr9517 | 6217 | ncr9587 | 6273 | ncr9676 | 6329 | ncr9765 | 6385 | ncr9851 |
| 6162 | ncr9519 | 6218 | ncr9589 | 6274 | ncr9679 | 6330 | ncr9766 | 6386 | ncr9852 |
| 6163 | ncr9520 | 6219 | ncr9590 | 6275 | ncr9680 | 6331 | ncr9767 | 6387 | ncr9853 |
| 6164 | ncr9521 | 6220 | ncr9591 | 6276 | ncr9681 | 6332 | ncr9768 | 6388 | ncr9854 |
| 6165 | ncr9523 | 6221 | ncr9592 | 6277 | ncr9682 | 6333 | ncr9770 | 6389 | ncr9855 |
| 6166 | ncr9524 | 6222 | ncr9593 | 6278 | ncr9684 | 6334 | ncr9771 | 6390 | ncr9856 |
| 6167 | ncr9525 | 6223 | ncr9594 | 6279 | ncr9685 | 6335 | ncr9772 | 6391 | ncr9857 |
| 6168 | ncr9527 | 6224 | ncr9595 | 6280 | ncr9686 | 6336 | ncr9773 | 6392 | ncr9861 |
| 6169 | ncr9528 | 6225 | ncr9596 | 6281 | ncr9687 | 6337 | ncr9775 | 6393 | ncr9862 |
| 6170 | ncr9529 | 6226 | ncr9597 | 6282 | ncr9690 | 6338 | ncr9776 | 6394 | ncr9863 |
| 6171 | ncr9530 | 6227 | ncr9598 | 6283 | ncr9693 | 6339 | ncr9778 | 6395 | ncr9864 |
| 6172 | ncr9533 | 6228 | ncr9599 | 6284 | ncr9695 | 6340 | ncr9779 | 6396 | ncr9865 |
| 6173 | ncr9535 | 6229 | ncr9600 | 6285 | ncr9699 | 6341 | ncr9781 | 6397 | ncr9869 |
| 6174 | ncr9537 | 6230 | ncr9603 | 6286 | ncr9700 | 6342 | ncr9782 | 6398 | ncr9870 |
| 6175 | ncr9538 | 6231 | ncr9605 | 6287 | ncr9703 | 6343 | ncr9783 | 6399 | ncr9871 |
| 6176 | ncr9539 | 6232 | ncr9607 | 6288 | ncr9704 | 6344 | ncr9784 | 6400 | ncr9872 |
| 6177 | ncr9540 | 6233 | ncr9608 | 6289 | ncr9705 | 6345 | ncr9785 | 6401 | ncr9875 |
| 6178 | ncr9541 | 6234 | ncr9612 | 6290 | ncr9707 | 6346 | ncr9786 | 6402 | ncr9877 |
| 6179 | ncr9542 | 6235 | ncr9616 | 6291 | ncr9708 | 6347 | ncr9787 | 6403 | ncr9880 |
| 6180 | ncr9543 | 6236 | ncr9619 | 6292 | ncr9711 | 6348 | ncr9789 | 6404 | ncr9881 |
| 6181 | ncr9544 | 6237 | ncr9620 | 6293 | ncr9712 | 6349 | ncr9790 | 6405 | ncr9883 |
| 6182 | ncr9546 | 6238 | ncr9621 | 6294 | ncr9713 | 6350 | ncr9791 | 6406 | ncr9886 |
| 6183 | ncr9547 | 6239 | ncr9623 | 6295 | ncr9715 | 6351 | ncr9792 | 6407 | ncr9891 |
| 6184 | ncr9548 | 6240 | ncr9624 | 6296 | ncr9716 | 6352 | ncr9796 | 6408 | ncr9893 |
| 6185 | ncr9549 | 6241 | ncr9625 | 6297 | ncr9717 | 6353 | ncr9797 | 6409 | ncr9896 |
| 6186 | ncr9550 | 6242 | ncr9626 | 6298 | ncr9719 | 6354 | ncr9799 | 6410 | ncr9897 |
| 6187 | ncr9551 | 6243 | ncr9627 | 6299 | ncr9721 | 6355 | ncr9801 | 6411 | ncr9899 |
| 6188 | ncr9552 | 6244 | ncr9629 | 6300 | ncr9722 | 6356 | ncr9803 | 6412 | ncr9901 |
| 6189 | ncr9553 | 6245 | ncr9631 | 6301 | ncr9723 | 6357 | ncr9808 | 6413 | ncr9903 |
| 6190 | ncr9554 | 6246 | ncr9632 | 6302 | ncr9724 | 6358 | ncr9809 | 6414 | ncr9904 |
| 6191 | ncr9555 | 6247 | ncr9634 | 6303 | ncr9725 | 6359 | ncr9811 | 6415 | ncr9909 |
| 6192 | ncr9556 | 6248 | ncr9635 | 6304 | ncr9728 | 6360 | ncr9813 | 6416 | ncr9919 |
| 6193 | ncr9557 | 6249 | ncr9639 | 6305 | ncr9730 | 6361 | ncr9816 | 6417 | ncr9921 |
| 6194 | ncr9558 | 6250 | ncr9640 | 6306 | ncr9731 | 6362 | ncr9818 | 6418 | ncr9923 |
| 6195 | ncr9560 | 6251 | ncr9643 | 6307 | ncr9732 | 6363 | ncr9820 | 6419 | ncr9924 |
| 6196 | ncr9561 | 6252 | ncr9644 | 6308 | ncr9736 | 6364 | ncr9821 | 6420 | ncr9925 |
| 6197 | ncr9562 | 6253 | ncr9645 | 6309 | ncr9741 | 6365 | ncr9823 | 6421 | ncr9926 |
| 6198 | ncr9563 | 6254 | ncr9646 | 6310 | ncr9742 | 6366 | ncr9824 | 6422 | ncr9927 |
| 6199 | ncr9564 | 6255 | ncr9647 | 6311 | ncr9743 | 6367 | ncr9826 | 6423 | ncr9930 |
| 6200 | ncr9565 | 6256 | ncr9648 | 6312 | ncr9744 | 6368 | ncr9828 | 6424 | ncr9933 |
| 6201 | ncr9566 | 6257 | ncr9649 | 6313 | ncr9745 | 6369 | ncr9829 | 6425 | ncr9934 |
| 6202 | ncr9568 | 6258 | ncr9650 | 6314 | ncr9746 | 6370 | ncr9831 | 6426 | ncr9935 |
| 6203 | ncr9569 | 6259 | ncr9651 | 6315 | ncr9747 | 6371 | ncr9832 | 6427 | ncr9936 |
| 6204 | ncr9572 | 6260 | ncr9652 | 6316 | ncr9750 | 6372 | ncr9834 | 6428 | ncr9938 |
| 6205 | ncr9573 | 6261 | ncr9655 | 6317 | ncr9751 | 6373 | ncr9836 | 6429 | ncr9939 |
| 6206 | ncr9574 | 6262 | ncr9658 | 6318 | ncr9753 | 6374 | ncr9837 | 6430 | ncr9940 |
| 6207 | ncr9576 | 6263 | ncr9659 | 6319 | ncr9754 | 6375 | ncr9838 | 6431 | ncr9941 |
| 6208 | ncr9577 | 6264 | ncr9660 | 6320 | ncr9755 | 6376 | ncr9839 | 6432 | ncr9942 |
| 6209 | ncr9578 | 6265 | ncr9661 | 6321 | ncr9756 | 6377 | ncr9840 | 6433 | ncr9944 |
| 6210 | ncr9579 | 6266 | ncr9662 | 6322 | ncr9757 | 6378 | ncr9842 | 6434 | ncr9945 |
| 6211 | ncr9580 | 6267 | ncr9664 | 6323 | ncr9758 | 6379 | ncr9843 | 6435 | ncr9947 |
| 6212 | ncr9581 | 6268 | ncr9665 | 6324 | ncr9759 | 6380 | ncr9844 | 6436 | ncr9948 |
| 6213 | ncr9582 | 6269 | ncr9666 | 6325 | ncr9760 | 6381 | ncr9846 | 6437 | ncr9949 |
| 6214 | ncr9583 | 6270 | ncr9668 | 6326 | ncr9761 | 6382 | ncr9848 | 6438 | ncr9950 |
| 6215 | ncr9584 | 6271 | ncr9673 | 6327 | ncr9763 | 6383 | ncr9849 | 6439 | ncr9951 |
| 6216 | ncr9585 | 6272 | ncr9674 | 6328 | ncr9764 | 6384 | ncr9850 | 6440 | ncr9952 |

Figure 6C – Continued

| | | | | | | | | | |
|------|----------|------|----------|------|----------|------|----------|------|----------|
| 6441 | ncr9954 | 6497 | ncrb0051 | 6553 | ncrb0138 | 6609 | ncrb0213 | 6665 | ncrb0307 |
| 6442 | ncr9955 | 6498 | ncrb0054 | 6554 | ncrb0139 | 6610 | ncrb0215 | 6666 | ncrb0308 |
| 6443 | ncr9956 | 6499 | ncrb0055 | 6555 | ncrb0140 | 6611 | ncrb0216 | 6667 | ncrb0309 |
| 6444 | ncr9957 | 6500 | ncrb0057 | 6556 | ncrb0142 | 6612 | ncrb0217 | 6668 | ncrb0311 |
| 6445 | ncr9958 | 6501 | ncrb0058 | 6557 | ncrb0143 | 6613 | ncrb0218 | 6669 | ncrb0313 |
| 6446 | ncr9961 | 6502 | ncrb0059 | 6558 | ncrb0145 | 6614 | ncrb0220 | 6670 | ncrb0316 |
| 6447 | ncr9962 | 6503 | ncrb0060 | 6559 | ncrb0146 | 6615 | ncrb0223 | 6671 | ncrb0317 |
| 6448 | ncr9963 | 6504 | ncrb0061 | 6560 | ncrb0148 | 6616 | ncrb0226 | 6672 | ncrb0319 |
| 6449 | ncr9964 | 6505 | ncrb0062 | 6561 | ncrb0149 | 6617 | ncrb0227 | 6673 | ncrb0321 |
| 6450 | ncr9965 | 6506 | ncrb0063 | 6562 | ncrb0150 | 6618 | ncrb0229 | 6674 | ncrb0323 |
| 6451 | ncr9969 | 6507 | ncrb0064 | 6563 | ncrb0151 | 6619 | ncrb0230 | 6675 | ncrb0324 |
| 6452 | ncr9971 | 6508 | ncrb0066 | 6564 | ncrb0152 | 6620 | ncrb0231 | 6676 | ncrb0326 |
| 6453 | ncr9973 | 6509 | ncrb0069 | 6565 | ncrb0153 | 6621 | ncrb0232 | 6677 | ncrb0327 |
| 6454 | ncr9974 | 6510 | ncrb0072 | 6566 | ncrb0154 | 6622 | ncrb0234 | 6678 | ncrb0328 |
| 6455 | ncr9975 | 6511 | ncrb0074 | 6567 | ncrb0156 | 6623 | ncrb0235 | 6679 | ncrb0330 |
| 6456 | ncr9976 | 6512 | ncrb0075 | 6568 | ncrb0157 | 6624 | ncrb0240 | 6680 | ncrb0331 |
| 6457 | ncr9977 | 6513 | ncrb0076 | 6569 | ncrb0158 | 6625 | ncrb0242 | 6681 | ncrb0332 |
| 6458 | ncr9979 | 6514 | ncrb0077 | 6570 | ncrb0159 | 6626 | ncrb0243 | 6682 | ncrb0333 |
| 6459 | ncr9980 | 6515 | ncrb0078 | 6571 | ncrb0160 | 6627 | ncrb0245 | 6683 | ncrb0334 |
| 6460 | ncr9981 | 6516 | ncrb0083 | 6572 | ncrb0162 | 6628 | ncrb0246 | 6684 | ncrb0335 |
| 6461 | ncr9982 | 6517 | ncrb0085 | 6573 | ncrb0163 | 6629 | ncrb0247 | 6685 | ncrb0336 |
| 6462 | ncr9983 | 6518 | ncrb0086 | 6574 | ncrb0164 | 6630 | ncrb0250 | 6686 | ncrb0337 |
| 6463 | ncr9984 | 6519 | ncrb0087 | 6575 | ncrb0165 | 6631 | ncrb0253 | 6687 | ncrb0338 |
| 6464 | ncrb0004 | 6520 | ncrb0088 | 6576 | ncrb0166 | 6632 | ncrb0254 | 6688 | ncrb0339 |
| 6465 | ncrb0005 | 6521 | ncrb0089 | 6577 | ncrb0167 | 6633 | ncrb0256 | 6689 | ncrb0340 |
| 6466 | ncrb0008 | 6522 | ncrb0090 | 6578 | ncrb0169 | 6634 | ncrb0257 | 6690 | ncrb0341 |
| 6467 | ncrb0012 | 6523 | ncrb0092 | 6579 | ncrb0170 | 6635 | ncrb0260 | 6691 | ncrb0342 |
| 6468 | ncrb0013 | 6524 | ncrb0093 | 6580 | ncrb0171 | 6636 | ncrb0261 | 6692 | ncrb0344 |
| 6469 | ncrb0015 | 6525 | ncrb0094 | 6581 | ncrb0172 | 6637 | ncrb0262 | 6693 | ncrb0345 |
| 6470 | ncrb0016 | 6526 | ncrb0095 | 6582 | ncrb0175 | 6638 | ncrb0263 | 6694 | ncrb0346 |
| 6471 | ncrb0017 | 6527 | ncrb0096 | 6583 | ncrb0176 | 6639 | ncrb0265 | 6695 | ncrb0349 |
| 6472 | ncrb0019 | 6528 | ncrb0100 | 6584 | ncrb0178 | 6640 | ncrb0266 | 6696 | ncrb0350 |
| 6473 | ncrb0020 | 6529 | ncrb0101 | 6585 | ncrb0179 | 6641 | ncrb0267 | 6697 | ncrb0351 |
| 6474 | ncrb0021 | 6530 | ncrb0102 | 6586 | ncrb0180 | 6642 | ncrb0269 | 6698 | ncrb0353 |
| 6475 | ncrb0023 | 6531 | ncrb0103 | 6587 | ncrb0181 | 6643 | ncrb0270 | 6699 | ncrb0354 |
| 6476 | ncrb0024 | 6532 | ncrb0104 | 6588 | ncrb0182 | 6644 | ncrb0272 | 6700 | ncrb0355 |
| 6477 | ncrb0025 | 6533 | ncrb0108 | 6589 | ncrb0183 | 6645 | ncrb0273 | 6701 | ncrb0356 |
| 6478 | ncrb0027 | 6534 | ncrb0109 | 6590 | ncrb0185 | 6646 | ncrb0274 | 6702 | ncrb0358 |
| 6479 | ncrb0031 | 6535 | ncrb0111 | 6591 | ncrb0186 | 6647 | ncrb0275 | 6703 | ncrb0361 |
| 6480 | ncrb0032 | 6536 | ncrb0113 | 6592 | ncrb0187 | 6648 | ncrb0276 | 6704 | ncrb0362 |
| 6481 | ncrb0033 | 6537 | ncrb0115 | 6593 | ncrb0188 | 6649 | ncrb0277 | 6705 | ncrb0363 |
| 6482 | ncrb0034 | 6538 | ncrb0116 | 6594 | ncrb0189 | 6650 | ncrb0279 | 6706 | ncrb0364 |
| 6483 | ncrb0035 | 6539 | ncrb0117 | 6595 | ncrb0190 | 6651 | ncrb0280 | 6707 | ncrb0365 |
| 6484 | ncrb0036 | 6540 | ncrb0120 | 6596 | ncrb0191 | 6652 | ncrb0281 | 6708 | ncrb0366 |
| 6485 | ncrb0037 | 6541 | ncrb0121 | 6597 | ncrb0192 | 6653 | ncrb0282 | 6709 | ncrb0367 |
| 6486 | ncrb0039 | 6542 | ncrb0122 | 6598 | ncrb0196 | 6654 | ncrb0283 | 6710 | ncrb0368 |
| 6487 | ncrb0040 | 6543 | ncrb0123 | 6599 | ncrb0197 | 6655 | ncrb0284 | 6711 | ncrb0369 |
| 6488 | ncrb0042 | 6544 | ncrb0124 | 6600 | ncrb0199 | 6656 | ncrb0287 | 6712 | ncrb0370 |
| 6489 | ncrb0043 | 6545 | ncrb0127 | 6601 | ncrb0200 | 6657 | ncrb0288 | 6713 | ncrb0371 |
| 6490 | ncrb0044 | 6546 | ncrb0129 | 6602 | ncrb0201 | 6658 | ncrb0291 | 6714 | ncrb0372 |
| 6491 | ncrb0045 | 6547 | ncrb0130 | 6603 | ncrb0203 | 6659 | ncrb0292 | 6715 | ncrb0375 |
| 6492 | ncrb0046 | 6548 | ncrb0131 | 6604 | ncrb0204 | 6660 | ncrb0293 | 6716 | ncrb0376 |
| 6493 | ncrb0047 | 6549 | ncrb0133 | 6605 | ncrb0205 | 6661 | ncrb0295 | 6717 | ncrb0377 |
| 6494 | ncrb0048 | 6550 | ncrb0134 | 6606 | ncrb0207 | 6662 | ncrb0299 | 6718 | ncrb0379 |
| 6495 | ncrb0049 | 6551 | ncrb0135 | 6607 | ncrb0211 | 6663 | ncrb0303 | 6719 | ncrb0380 |
| 6496 | ncrb0050 | 6552 | ncrb0136 | 6608 | ncrb0212 | 6664 | ncrb0305 | 6720 | ncrb0381 |

Figure 6C – Continued

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|------|----------|------|----------|------|----------|------|----------|------|----------|
| 6721 | ncrb0383 | 6777 | ncrb0464 | 6833 | ncrb0563 | 6889 | ncrb0661 | 6945 | ncrb0744 |
| 6722 | ncrb0384 | 6778 | ncrb0465 | 6834 | ncrb0564 | 6890 | ncrb0663 | 6946 | ncrb0745 |
| 6723 | ncrb0387 | 6779 | ncrb0466 | 6835 | ncrb0565 | 6891 | ncrb0664 | 6947 | ncrb0746 |
| 6724 | ncrb0388 | 6780 | ncrb0468 | 6836 | ncrb0567 | 6892 | ncrb0666 | 6948 | ncrb0748 |
| 6725 | ncrb0389 | 6781 | ncrb0471 | 6837 | ncrb0568 | 6893 | ncrb0667 | 6949 | ncrb0749 |
| 6726 | ncrb0395 | 6782 | ncrb0472 | 6838 | ncrb0569 | 6894 | ncrb0668 | 6950 | ncrb0750 |
| 6727 | ncrb0396 | 6783 | ncrb0473 | 6839 | ncrb0570 | 6895 | ncrb0669 | 6951 | ncrb0751 |
| 6728 | ncrb0397 | 6784 | ncrb0474 | 6840 | ncrb0571 | 6896 | ncrb0670 | 6952 | ncrb0752 |
| 6729 | ncrb0400 | 6785 | ncrb0476 | 6841 | ncrb0573 | 6897 | ncrb0671 | 6953 | ncrb0754 |
| 6730 | ncrb0403 | 6786 | ncrb0478 | 6842 | ncrb0579 | 6898 | ncrb0672 | 6954 | ncrb0755 |
| 6731 | ncrb0404 | 6787 | ncrb0479 | 6843 | ncrb0580 | 6899 | ncrb0676 | 6955 | ncrb0757 |
| 6732 | ncrb0405 | 6788 | ncrb0481 | 6844 | ncrb0581 | 6900 | ncrb0677 | 6956 | ncrb0758 |
| 6733 | ncrb0407 | 6789 | ncrb0484 | 6845 | ncrb0585 | 6901 | ncrb0679 | 6957 | ncrb0759 |
| 6734 | ncrb0408 | 6790 | ncrb0485 | 6846 | ncrb0586 | 6902 | ncrb0680 | 6958 | ncrb0760 |
| 6735 | ncrb0409 | 6791 | ncrb0487 | 6847 | ncrb0587 | 6903 | ncrb0684 | 6959 | ncrb0761 |
| 6736 | ncrb0412 | 6792 | ncrb0488 | 6848 | ncrb0588 | 6904 | ncrb0687 | 6960 | ncrb0763 |
| 6737 | ncrb0413 | 6793 | ncrb0491 | 6849 | ncrb0589 | 6905 | ncrb0688 | 6961 | ncrb0764 |
| 6738 | ncrb0415 | 6794 | ncrb0492 | 6850 | ncrb0592 | 6906 | ncrb0689 | 6962 | ncrb0766 |
| 6739 | ncrb0416 | 6795 | ncrb0493 | 6851 | ncrb0599 | 6907 | ncrb0692 | 6963 | ncrb0772 |
| 6740 | ncrb0417 | 6796 | ncrb0496 | 6852 | ncrb0600 | 6908 | ncrb0693 | 6964 | ncrb0773 |
| 6741 | ncrb0418 | 6797 | ncrb0497 | 6853 | ncrb0601 | 6909 | ncrb0696 | 6965 | ncrb0777 |
| 6742 | ncrb0422 | 6798 | ncrb0499 | 6854 | ncrb0602 | 6910 | ncrb0697 | 6966 | ncrb0779 |
| 6743 | ncrb0423 | 6799 | ncrb0500 | 6855 | ncrb0605 | 6911 | ncrb0698 | 6967 | ncrb0782 |
| 6744 | ncrb0424 | 6800 | ncrb0503 | 6856 | ncrb0607 | 6912 | ncrb0699 | 6968 | ncrb0783 |
| 6745 | ncrb0428 | 6801 | ncrb0505 | 6857 | ncrb0608 | 6913 | ncrb0700 | 6969 | ncrb0784 |
| 6746 | ncrb0430 | 6802 | ncrb0506 | 6858 | ncrb0609 | 6914 | ncrb0701 | 6970 | ncrb0787 |
| 6747 | ncrb0431 | 6803 | ncrb0507 | 6859 | ncrb0611 | 6915 | ncrb0703 | 6971 | ncrb0788 |
| 6748 | ncrb0433 | 6804 | ncrb0509 | 6860 | ncrb0618 | 6916 | ncrb0704 | 6972 | ncrb0789 |
| 6749 | ncrb0434 | 6805 | ncrb0511 | 6861 | ncrb0619 | 6917 | ncrb0705 | 6973 | ncrb0794 |
| 6750 | ncrb0435 | 6806 | ncrb0513 | 6862 | ncrb0620 | 6918 | ncrb0706 | 6974 | ncrb0795 |
| 6751 | ncrb0436 | 6807 | ncrb0514 | 6863 | ncrb0622 | 6919 | ncrb0707 | 6975 | ncrb0796 |
| 6752 | ncrb0437 | 6808 | ncrb0519 | 6864 | ncrb0624 | 6920 | ncrb0708 | 6976 | ncrb0797 |
| 6753 | ncrb0438 | 6809 | ncrb0522 | 6865 | ncrb0627 | 6921 | ncrb0709 | 6977 | ncrb0799 |
| 6754 | ncrb0439 | 6810 | ncrb0523 | 6866 | ncrb0630 | 6922 | ncrb0710 | 6978 | ncrb0800 |
| 6755 | ncrb0440 | 6811 | ncrb0524 | 6867 | ncrb0631 | 6923 | ncrb0711 | 6979 | ncrb0803 |
| 6756 | ncrb0441 | 6812 | ncrb0525 | 6868 | ncrb0632 | 6924 | ncrb0716 | 6980 | ncrb0804 |
| 6757 | ncrb0442 | 6813 | ncrb0526 | 6869 | ncrb0634 | 6925 | ncrb0718 | 6981 | ncrb0805 |
| 6758 | ncrb0443 | 6814 | ncrb0529 | 6870 | ncrb0635 | 6926 | ncrb0719 | 6982 | ncrb0806 |
| 6759 | ncrb0444 | 6815 | ncrb0530 | 6871 | ncrb0636 | 6927 | ncrb0720 | 6983 | ncrb0807 |
| 6760 | ncrb0446 | 6816 | ncrb0531 | 6872 | ncrb0638 | 6928 | ncrb0721 | 6984 | ncrb0808 |
| 6761 | ncrb0448 | 6817 | ncrb0536 | 6873 | ncrb0639 | 6929 | ncrb0722 | 6985 | ncrb0810 |
| 6762 | ncrb0449 | 6818 | ncrb0538 | 6874 | ncrb0641 | 6930 | ncrb0723 | 6986 | ncrb0811 |
| 6763 | ncrb0450 | 6819 | ncrb0540 | 6875 | ncrb0642 | 6931 | ncrb0724 | 6987 | ncrb0812 |
| 6764 | ncrb0451 | 6820 | ncrb0541 | 6876 | ncrb0643 | 6932 | ncrb0725 | 6988 | ncrb0814 |
| 6765 | ncrb0452 | 6821 | ncrb0543 | 6877 | ncrb0644 | 6933 | ncrb0726 | 6989 | ncrb0815 |
| 6766 | ncrb0453 | 6822 | ncrb0544 | 6878 | ncrb0646 | 6934 | ncrb0728 | 6990 | ncrb0817 |
| 6767 | ncrb0454 | 6823 | ncrb0545 | 6879 | ncrb0647 | 6935 | ncrb0729 | 6991 | ncrb0818 |
| 6768 | ncrb0455 | 6824 | ncrb0547 | 6880 | ncrb0648 | 6936 | ncrb0730 | 6992 | ncrb0819 |
| 6769 | ncrb0456 | 6825 | ncrb0548 | 6881 | ncrb0651 | 6937 | ncrb0732 | 6993 | ncrb0820 |
| 6770 | ncrb0457 | 6826 | ncrb0549 | 6882 | ncrb0652 | 6938 | ncrb0735 | 6994 | ncrb0821 |
| 6771 | ncrb0458 | 6827 | ncrb0550 | 6883 | ncrb0653 | 6939 | ncrb0736 | 6995 | ncrb0822 |
| 6772 | ncrb0459 | 6828 | ncrb0551 | 6884 | ncrb0654 | 6940 | ncrb0737 | 6996 | ncrb0823 |
| 6773 | ncrb0460 | 6829 | ncrb0552 | 6885 | ncrb0655 | 6941 | ncrb0739 | 6997 | ncrb0825 |
| 6774 | ncrb0461 | 6830 | ncrb0554 | 6886 | ncrb0656 | 6942 | ncrb0740 | 6998 | ncrb0826 |
| 6775 | ncrb0462 | 6831 | ncrb0556 | 6887 | ncrb0658 | 6943 | ncrb0741 | 6999 | ncrb0827 |
| 6776 | ncrb0463 | 6832 | ncrb0559 | 6888 | ncrb0660 | 6944 | ncrb0743 | 7000 | ncrb0828 |

Figure 6C - Continued

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|------|----------|------|----------|------|----------|------|----------|------|----------|
| 7001 | ncrb0829 | 7057 | ncrb0916 | 7113 | ncrb1104 | 7169 | ncrb1187 | 7225 | ncrb1280 |
| 7002 | ncrb0830 | 7058 | ncrb0917 | 7114 | ncrb1106 | 7170 | ncrb1189 | 7226 | ncrb1281 |
| 7003 | ncrb0832 | 7059 | ncrb0918 | 7115 | ncrb1108 | 7171 | ncrb1190 | 7227 | ncrb1285 |
| 7004 | ncrb0833 | 7060 | ncrb0921 | 7116 | ncrb1109 | 7172 | ncrb1191 | 7228 | ncrb1288 |
| 7005 | ncrb0834 | 7061 | ncrb0922 | 7117 | ncrb1110 | 7173 | ncrb1192 | 7229 | ncrb1291 |
| 7006 | ncrb0837 | 7062 | ncrb0923 | 7118 | ncrb1111 | 7174 | ncrb1195 | 7230 | ncrb1292 |
| 7007 | ncrb0838 | 7063 | ncrb0924 | 7119 | ncrb1112 | 7175 | ncrb1196 | 7231 | ncrb1295 |
| 7008 | ncrb0840 | 7064 | ncrb0925 | 7120 | ncrb1113 | 7176 | ncrb1197 | 7232 | ncrb1296 |
| 7009 | ncrb0841 | 7065 | ncrb0928 | 7121 | ncrb1114 | 7177 | ncrb1198 | 7233 | ncrb1297 |
| 7010 | ncrb0842 | 7066 | ncrb0929 | 7122 | ncrb1115 | 7178 | ncrb1199 | 7234 | ncrb1300 |
| 7011 | ncrb0843 | 7067 | ncrb0931 | 7123 | ncrb1116 | 7179 | ncrb1200 | 7235 | ncrb1301 |
| 7012 | ncrb0844 | 7068 | ncrb0932 | 7124 | ncrb1117 | 7180 | ncrb1202 | 7236 | ncrb1302 |
| 7013 | ncrb0845 | 7069 | ncrb0933 | 7125 | ncrb1118 | 7181 | ncrb1203 | 7237 | ncrb1303 |
| 7014 | ncrb0846 | 7070 | ncrb0934 | 7126 | ncrb1120 | 7182 | ncrb1204 | 7238 | ncrb1304 |
| 7015 | ncrb0847 | 7071 | ncrb0936 | 7127 | ncrb1121 | 7183 | ncrb1205 | 7239 | ncrb1305 |
| 7016 | ncrb0848 | 7072 | ncrb0937 | 7128 | ncrb1123 | 7184 | ncrb1206 | 7240 | ncrb1307 |
| 7017 | ncrb0849 | 7073 | ncrb0938 | 7129 | ncrb1124 | 7185 | ncrb1207 | 7241 | ncrb1309 |
| 7018 | ncrb0850 | 7074 | ncrb0939 | 7130 | ncrb1125 | 7186 | ncrb1208 | 7242 | ncrb1310 |
| 7019 | ncrb0851 | 7075 | ncrb0940 | 7131 | ncrb1126 | 7187 | ncrb1209 | 7243 | ncrb1311 |
| 7020 | ncrb0852 | 7076 | ncrb0942 | 7132 | ncrb1127 | 7188 | ncrb1213 | 7244 | ncrb1312 |
| 7021 | ncrb0854 | 7077 | ncrb0943 | 7133 | ncrb1128 | 7189 | ncrb1214 | 7245 | ncrb1313 |
| 7022 | ncrb0855 | 7078 | ncrb0945 | 7134 | ncrb1129 | 7190 | ncrb1216 | 7246 | ncrb1314 |
| 7023 | ncrb0856 | 7079 | ncrb0947 | 7135 | ncrb1131 | 7191 | ncrb1217 | 7247 | ncrb1315 |
| 7024 | ncrb0857 | 7080 | ncrb0948 | 7136 | ncrb1135 | 7192 | ncrb1218 | 7248 | ncrb1317 |
| 7025 | ncrb0858 | 7081 | ncrb0949 | 7137 | ncrb1136 | 7193 | ncrb1220 | 7249 | ncrb1318 |
| 7026 | ncrb0859 | 7082 | ncrb0951 | 7138 | ncrb1137 | 7194 | ncrb1221 | 7250 | ncrb1320 |
| 7027 | ncrb0860 | 7083 | ncrb0952 | 7139 | ncrb1139 | 7195 | ncrb1223 | 7251 | ncrb1322 |
| 7028 | ncrb0861 | 7084 | ncrb0957 | 7140 | ncrb1141 | 7196 | ncrb1224 | 7252 | ncrb1323 |
| 7029 | ncrb0862 | 7085 | ncrb0960 | 7141 | ncrb1142 | 7197 | ncrb1228 | 7253 | ncrb1325 |
| 7030 | ncrb0864 | 7086 | ncrb1059 | 7142 | ncrb1143 | 7198 | ncrb1230 | 7254 | ncrb1326 |
| 7031 | ncrb0867 | 7087 | ncrb1063 | 7143 | ncrb1144 | 7199 | ncrb1231 | 7255 | ncrb1327 |
| 7032 | ncrb0868 | 7088 | ncrb1065 | 7144 | ncrb1146 | 7200 | ncrb1232 | 7256 | ncrb1328 |
| 7033 | ncrb0870 | 7089 | ncrb1067 | 7145 | ncrb1148 | 7201 | ncrb1234 | 7257 | ncrb1329 |
| 7034 | ncrb0872 | 7090 | ncrb1068 | 7146 | ncrb1150 | 7202 | ncrb1235 | 7258 | ncrb1330 |
| 7035 | ncrb0874 | 7091 | ncrb1069 | 7147 | ncrb1152 | 7203 | ncrb1240 | 7259 | ncrb1331 |
| 7036 | ncrb0875 | 7092 | ncrb1072 | 7148 | ncrb1153 | 7204 | ncrb1243 | 7260 | ncrb1333 |
| 7037 | ncrb0877 | 7093 | ncrb1073 | 7149 | ncrb1155 | 7205 | ncrb1245 | 7261 | ncrb1334 |
| 7038 | ncrb0878 | 7094 | ncrb1075 | 7150 | ncrb1157 | 7206 | ncrb1247 | 7262 | ncrb1335 |
| 7039 | ncrb0881 | 7095 | ncrb1079 | 7151 | ncrb1159 | 7207 | ncrb1248 | 7263 | ncrb1336 |
| 7040 | ncrb0882 | 7096 | ncrb1080 | 7152 | ncrb1161 | 7208 | ncrb1251 | 7264 | ncrb1337 |
| 7041 | ncrb0888 | 7097 | ncrb1081 | 7153 | ncrb1163 | 7209 | ncrb1252 | 7265 | ncrb1341 |
| 7042 | ncrb0891 | 7098 | ncrb1082 | 7154 | ncrb1164 | 7210 | ncrb1255 | 7266 | ncrb1342 |
| 7043 | ncrb0892 | 7099 | ncrb1083 | 7155 | ncrb1165 | 7211 | ncrb1256 | 7267 | ncrb1344 |
| 7044 | ncrb0897 | 7100 | ncrb1084 | 7156 | ncrb1167 | 7212 | ncrb1258 | 7268 | ncrb1348 |
| 7045 | ncrb0899 | 7101 | ncrb1085 | 7157 | ncrb1169 | 7213 | ncrb1259 | 7269 | ncrb1349 |
| 7046 | ncrb0901 | 7102 | ncrb1087 | 7158 | ncrb1171 | 7214 | ncrb1261 | 7270 | ncrb1351 |
| 7047 | ncrb0902 | 7103 | ncrb1088 | 7159 | ncrb1173 | 7215 | ncrb1262 | 7271 | ncrb1352 |
| 7048 | ncrb0903 | 7104 | ncrb1089 | 7160 | ncrb1175 | 7216 | ncrb1263 | 7272 | ncrb1356 |
| 7049 | ncrb0904 | 7105 | ncrb1092 | 7161 | ncrb1176 | 7217 | ncrb1264 | 7273 | ncrb1357 |
| 7050 | ncrb0908 | 7106 | ncrb1093 | 7162 | ncrb1178 | 7218 | ncrb1267 | 7274 | ncrb1359 |
| 7051 | ncrb0909 | 7107 | ncrb1094 | 7163 | ncrb1179 | 7219 | ncrb1268 | 7275 | ncrb1360 |
| 7052 | ncrb0911 | 7108 | ncrb1095 | 7164 | ncrb1180 | 7220 | ncrb1269 | 7276 | ncrb1361 |
| 7053 | ncrb0912 | 7109 | ncrb1096 | 7165 | ncrb1181 | 7221 | ncrb1271 | 7277 | ncrb1363 |
| 7054 | ncrb0913 | 7110 | ncrb1098 | 7166 | ncrb1183 | 7222 | ncrb1276 | 7278 | ncrb1364 |
| 7055 | ncrb0914 | 7111 | ncrb1100 | 7167 | ncrb1185 | 7223 | ncrb1277 | 7279 | ncrb1365 |
| 7056 | ncrb0915 | 7112 | ncrb1101 | 7168 | ncrb1186 | 7224 | ncrb1279 | 7280 | ncrb1367 |

Figure 6C – Continued

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|------|----------|------|----------|------|----------|------|----------|------|----------|
| 7281 | ncrb1368 | 7337 | ncrb1448 | 7393 | ncrb1533 | 7449 | ncrb1624 | 7505 | ncrb1708 |
| 7282 | ncrb1369 | 7338 | ncrb1451 | 7394 | ncrb1534 | 7450 | ncrb1625 | 7506 | ncrb1709 |
| 7283 | ncrb1370 | 7339 | ncrb1454 | 7395 | ncrb1539 | 7451 | ncrb1626 | 7507 | ncrb1711 |
| 7284 | ncrb1371 | 7340 | ncrb1455 | 7396 | ncrb1540 | 7452 | ncrb1627 | 7508 | ncrb1712 |
| 7285 | ncrb1372 | 7341 | ncrb1456 | 7397 | ncrb1543 | 7453 | ncrb1628 | 7509 | ncrb1713 |
| 7286 | ncrb1373 | 7342 | ncrb1457 | 7398 | ncrb1544 | 7454 | ncrb1630 | 7510 | ncrb1715 |
| 7287 | ncrb1375 | 7343 | ncrb1459 | 7399 | ncrb1546 | 7455 | ncrb1632 | 7511 | ncrb1716 |
| 7288 | ncrb1377 | 7344 | ncrb1461 | 7400 | ncrb1547 | 7456 | ncrb1636 | 7512 | ncrb1717 |
| 7289 | ncrb1379 | 7345 | ncrb1463 | 7401 | ncrb1548 | 7457 | ncrb1639 | 7513 | ncrb1718 |
| 7290 | ncrb1380 | 7346 | ncrb1466 | 7402 | ncrb1549 | 7458 | ncrb1640 | 7514 | ncrb1719 |
| 7291 | ncrb1381 | 7347 | ncrb1467 | 7403 | ncrb1551 | 7459 | ncrb1644 | 7515 | ncrb1723 |
| 7292 | ncrb1383 | 7348 | ncrb1469 | 7404 | ncrb1555 | 7460 | ncrb1645 | 7516 | ncrb1724 |
| 7293 | ncrb1384 | 7349 | ncrb1471 | 7405 | ncrb1557 | 7461 | ncrb1646 | 7517 | ncrb1726 |
| 7294 | ncrb1386 | 7350 | ncrb1473 | 7406 | ncrb1562 | 7462 | ncrb1648 | 7518 | ncrb1727 |
| 7295 | ncrb1387 | 7351 | ncrb1475 | 7407 | ncrb1563 | 7463 | ncrb1653 | 7519 | ncrb1729 |
| 7296 | ncrb1388 | 7352 | ncrb1477 | 7408 | ncrb1564 | 7464 | ncrb1654 | 7520 | ncrb1731 |
| 7297 | ncrb1389 | 7353 | ncrb1478 | 7409 | ncrb1565 | 7465 | ncrb1655 | 7521 | ncrb1732 |
| 7298 | ncrb1390 | 7354 | ncrb1479 | 7410 | ncrb1568 | 7466 | ncrb1656 | 7522 | ncrb1733 |
| 7299 | ncrb1391 | 7355 | ncrb1480 | 7411 | ncrb1569 | 7467 | ncrb1658 | 7523 | ncrb1734 |
| 7300 | ncrb1392 | 7356 | ncrb1482 | 7412 | ncrb1570 | 7468 | ncrb1659 | 7524 | ncrb1735 |
| 7301 | ncrb1393 | 7357 | ncrb1483 | 7413 | ncrb1571 | 7469 | ncrb1661 | 7525 | ncrb1737 |
| 7302 | ncrb1394 | 7358 | ncrb1484 | 7414 | ncrb1574 | 7470 | ncrb1663 | 7526 | ncrb1738 |
| 7303 | ncrb1395 | 7359 | ncrb1485 | 7415 | ncrb1575 | 7471 | ncrb1664 | 7527 | ncrb1739 |
| 7304 | ncrb1396 | 7360 | ncrb1486 | 7416 | ncrb1577 | 7472 | ncrb1665 | 7528 | ncrb1740 |
| 7305 | ncrb1397 | 7361 | ncrb1487 | 7417 | ncrb1578 | 7473 | ncrb1667 | 7529 | ncrb1741 |
| 7306 | ncrb1398 | 7362 | ncrb1488 | 7418 | ncrb1580 | 7474 | ncrb1668 | 7530 | ncrb1743 |
| 7307 | ncrb1399 | 7363 | ncrb1491 | 7419 | ncrb1583 | 7475 | ncrb1669 | 7531 | ncrb1744 |
| 7308 | ncrb1400 | 7364 | ncrb1492 | 7420 | ncrb1584 | 7476 | ncrb1670 | 7532 | ncrb1745 |
| 7309 | ncrb1403 | 7365 | ncrb1493 | 7421 | ncrb1585 | 7477 | ncrb1671 | 7533 | ncrb1747 |
| 7310 | ncrb1404 | 7366 | ncrb1494 | 7422 | ncrb1586 | 7478 | ncrb1672 | 7534 | ncrb1753 |
| 7311 | ncrb1406 | 7367 | ncrb1495 | 7423 | ncrb1587 | 7479 | ncrb1675 | 7535 | ncrb1754 |
| 7312 | ncrb1407 | 7368 | ncrb1496 | 7424 | ncrb1590 | 7480 | ncrb1676 | 7536 | ncrb1755 |
| 7313 | ncrb1409 | 7369 | ncrb1498 | 7425 | ncrb1591 | 7481 | ncrb1677 | 7537 | ncrb1756 |
| 7314 | ncrb1410 | 7370 | ncrb1501 | 7426 | ncrb1593 | 7482 | ncrb1679 | 7538 | ncrb1757 |
| 7315 | ncrb1411 | 7371 | ncrb1504 | 7427 | ncrb1594 | 7483 | ncrb1680 | 7539 | ncrb1759 |
| 7316 | ncrb1413 | 7372 | ncrb1505 | 7428 | ncrb1596 | 7484 | ncrb1681 | 7540 | ncrb1760 |
| 7317 | ncrb1414 | 7373 | ncrb1506 | 7429 | ncrb1597 | 7485 | ncrb1684 | 7541 | ncrb1761 |
| 7318 | ncrb1415 | 7374 | ncrb1509 | 7430 | ncrb1598 | 7486 | ncrb1685 | 7542 | ncrb1765 |
| 7319 | ncrb1416 | 7375 | ncrb1510 | 7431 | ncrb1599 | 7487 | ncrb1686 | 7543 | ncrb1767 |
| 7320 | ncrb1417 | 7376 | ncrb1511 | 7432 | ncrb1600 | 7488 | ncrb1688 | 7544 | ncrb1770 |
| 7321 | ncrb1418 | 7377 | ncrb1512 | 7433 | ncrb1601 | 7489 | ncrb1689 | 7545 | ncrb1771 |
| 7322 | ncrb1419 | 7378 | ncrb1514 | 7434 | ncrb1602 | 7490 | ncrb1690 | 7546 | ncrb1772 |
| 7323 | ncrb1420 | 7379 | ncrb1515 | 7435 | ncrb1603 | 7491 | ncrb1691 | 7547 | ncrb1778 |
| 7324 | ncrb1421 | 7380 | ncrb1516 | 7436 | ncrb1604 | 7492 | ncrb1694 | 7548 | ncrb1779 |
| 7325 | ncrb1422 | 7381 | ncrb1517 | 7437 | ncrb1605 | 7493 | ncrb1695 | 7549 | ncrb1780 |
| 7326 | ncrb1427 | 7382 | ncrb1518 | 7438 | ncrb1606 | 7494 | ncrb1696 | 7550 | ncrb1781 |
| 7327 | ncrb1428 | 7383 | ncrb1519 | 7439 | ncrb1607 | 7495 | ncrb1697 | 7551 | ncrb1782 |
| 7328 | ncrb1429 | 7384 | ncrb1520 | 7440 | ncrb1610 | 7496 | ncrb1698 | 7552 | ncrb1783 |
| 7329 | ncrb1431 | 7385 | ncrb1521 | 7441 | ncrb1612 | 7497 | ncrb1699 | 7553 | ncrb1785 |
| 7330 | ncrb1432 | 7386 | ncrb1522 | 7442 | ncrb1614 | 7498 | ncrb1700 | 7554 | ncrb1787 |
| 7331 | ncrb1433 | 7387 | ncrb1523 | 7443 | ncrb1615 | 7499 | ncrb1701 | 7555 | ncrb1788 |
| 7332 | ncrb1436 | 7388 | ncrb1524 | 7444 | ncrb1617 | 7500 | ncrb1702 | 7556 | ncrb1789 |
| 7333 | ncrb1438 | 7389 | ncrb1526 | 7445 | ncrb1619 | 7501 | ncrb1703 | 7557 | ncrb1791 |
| 7334 | ncrb1439 | 7390 | ncrb1530 | 7446 | ncrb1620 | 7502 | ncrb1705 | 7558 | ncrb1792 |
| 7335 | ncrb1440 | 7391 | ncrb1531 | 7447 | ncrb1621 | 7503 | ncrb1706 | 7559 | ncrb1793 |
| 7336 | ncrb1447 | 7392 | ncrb1532 | 7448 | ncrb1623 | 7504 | ncrb1707 | 7560 | ncrb1795 |

Figure 6C – Continued

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|------|----------|------|----------|------|----------|------|----------|------|----------|
| 7561 | ncrb1797 | 7617 | ncrb1873 | 7673 | ncrb1945 | 7729 | ncrb2038 | 7785 | ncrb2125 |
| 7562 | ncrb1798 | 7618 | ncrb1874 | 7674 | ncrb1948 | 7730 | ncrb2039 | 7786 | ncrb2126 |
| 7563 | ncrb1800 | 7619 | ncrb1875 | 7675 | ncrb1949 | 7731 | ncrb2042 | 7787 | ncrb2127 |
| 7564 | ncrb1801 | 7620 | ncrb1876 | 7676 | ncrb1953 | 7732 | ncrb2043 | 7788 | ncrb2128 |
| 7565 | ncrb1802 | 7621 | ncrb1877 | 7677 | ncrb1955 | 7733 | ncrb2045 | 7789 | ncrb2131 |
| 7566 | ncrb1804 | 7622 | ncrb1878 | 7678 | ncrb1956 | 7734 | ncrb2051 | 7790 | ncrb2133 |
| 7567 | ncrb1805 | 7623 | ncrb1879 | 7679 | ncrb1957 | 7735 | ncrb2052 | 7791 | ncrb2135 |
| 7568 | ncrb1807 | 7624 | ncrb1880 | 7680 | ncrb1959 | 7736 | ncrb2053 | 7792 | ncrb2143 |
| 7569 | ncrb1808 | 7625 | ncrb1881 | 7681 | ncrb1962 | 7737 | ncrb2056 | 7793 | ncrb2145 |
| 7570 | ncrb1809 | 7626 | ncrb1882 | 7682 | ncrb1963 | 7738 | ncrb2058 | 7794 | ncrb2146 |
| 7571 | ncrb1810 | 7627 | ncrb1883 | 7683 | ncrb1964 | 7739 | ncrb2059 | 7795 | ncrb2148 |
| 7572 | ncrb1813 | 7628 | ncrb1884 | 7684 | ncrb1965 | 7740 | ncrb2062 | 7796 | ncrb2150 |
| 7573 | ncrb1815 | 7629 | ncrb1885 | 7685 | ncrb1968 | 7741 | ncrb2063 | 7797 | ncrb2151 |
| 7574 | ncrb1816 | 7630 | ncrb1886 | 7686 | ncrb1969 | 7742 | ncrb2065 | 7798 | ncrb2152 |
| 7575 | ncrb1817 | 7631 | ncrb1887 | 7687 | ncrb1972 | 7743 | ncrb2067 | 7799 | ncrb2155 |
| 7576 | ncrb1818 | 7632 | ncrb1888 | 7688 | ncrb1973 | 7744 | ncrb2068 | 7800 | ncrb2157 |
| 7577 | ncrb1819 | 7633 | ncrb1889 | 7689 | ncrb1975 | 7745 | ncrb2071 | 7801 | ncrb2159 |
| 7578 | ncrb1820 | 7634 | ncrb1890 | 7690 | ncrb1977 | 7746 | ncrb2072 | 7802 | ncrb2160 |
| 7579 | ncrb1821 | 7635 | ncrb1891 | 7691 | ncrb1979 | 7747 | ncrb2074 | 7803 | ncrb2161 |
| 7580 | ncrb1822 | 7636 | ncrb1892 | 7692 | ncrb1980 | 7748 | ncrb2075 | 7804 | ncrb2162 |
| 7581 | ncrb1823 | 7637 | ncrb1893 | 7693 | ncrb1982 | 7749 | ncrb2076 | 7805 | ncrb2164 |
| 7582 | ncrb1824 | 7638 | ncrb1894 | 7694 | ncrb1983 | 7750 | ncrb2077 | 7806 | ncrb2165 |
| 7583 | ncrb1825 | 7639 | ncrb1895 | 7695 | ncrb1984 | 7751 | ncrb2078 | 7807 | ncrb2166 |
| 7584 | ncrb1827 | 7640 | ncrb1896 | 7696 | ncrb1986 | 7752 | ncrb2079 | 7808 | ncrb2168 |
| 7585 | ncrb1828 | 7641 | ncrb1897 | 7697 | ncrb1987 | 7753 | ncrb2080 | 7809 | ncrb2169 |
| 7586 | ncrb1829 | 7642 | ncrb1898 | 7698 | ncrb1988 | 7754 | ncrb2082 | 7810 | ncrb2170 |
| 7587 | ncrb1831 | 7643 | ncrb1899 | 7699 | ncrb1989 | 7755 | ncrb2083 | 7811 | ncrb2173 |
| 7588 | ncrb1832 | 7644 | ncrb1901 | 7700 | ncrb1993 | 7756 | ncrb2085 | 7812 | ncrb2174 |
| 7589 | ncrb1833 | 7645 | ncrb1902 | 7701 | ncrb1994 | 7757 | ncrb2087 | 7813 | ncrb2175 |
| 7590 | ncrb1836 | 7646 | ncrb1904 | 7702 | ncrb1995 | 7758 | ncrb2088 | 7814 | ncrb2176 |
| 7591 | ncrb1839 | 7647 | ncrb1905 | 7703 | ncrb1996 | 7759 | ncrb2089 | 7815 | ncrb2177 |
| 7592 | ncrb1840 | 7648 | ncrb1907 | 7704 | ncrb1997 | 7760 | ncrb2090 | 7816 | ncrb2178 |
| 7593 | ncrb1843 | 7649 | ncrb1908 | 7705 | ncrb1998 | 7761 | ncrb2091 | 7817 | ncrb2179 |
| 7594 | ncrb1844 | 7650 | ncrb1910 | 7706 | ncrb1999 | 7762 | ncrb2092 | 7818 | ncrb2180 |
| 7595 | ncrb1845 | 7651 | ncrb1911 | 7707 | ncrb2001 | 7763 | ncrb2093 | 7819 | ncrb2181 |
| 7596 | ncrb1847 | 7652 | ncrb1912 | 7708 | ncrb2003 | 7764 | ncrb2094 | 7820 | ncrb2182 |
| 7597 | ncrb1848 | 7653 | ncrb1913 | 7709 | ncrb2006 | 7765 | ncrb2096 | 7821 | ncrb2183 |
| 7598 | ncrb1849 | 7654 | ncrb1914 | 7710 | ncrb2007 | 7766 | ncrb2097 | 7822 | ncrb2184 |
| 7599 | ncrb1850 | 7655 | ncrb1915 | 7711 | ncrb2008 | 7767 | ncrb2099 | 7823 | ncrb2186 |
| 7600 | ncrb1851 | 7656 | ncrb1916 | 7712 | ncrb2010 | 7768 | ncrb2101 | 7824 | ncrb2187 |
| 7601 | ncrb1852 | 7657 | ncrb1917 | 7713 | ncrb2011 | 7769 | ncrb2102 | 7825 | ncrb2188 |
| 7602 | ncrb1853 | 7658 | ncrb1919 | 7714 | ncrb2013 | 7770 | ncrb2104 | 7826 | ncrb2189 |
| 7603 | ncrb1856 | 7659 | ncrb1920 | 7715 | ncrb2014 | 7771 | ncrb2105 | 7827 | ncrb2191 |
| 7604 | ncrb1857 | 7660 | ncrb1923 | 7716 | ncrb2015 | 7772 | ncrb2106 | 7828 | ncrb2192 |
| 7605 | ncrb1859 | 7661 | ncrb1924 | 7717 | ncrb2016 | 7773 | ncrb2108 | 7829 | ncrb2193 |
| 7606 | ncrb1860 | 7662 | ncrb1925 | 7718 | ncrb2019 | 7774 | ncrb2109 | 7830 | ncrb2195 |
| 7607 | ncrb1861 | 7663 | ncrb1927 | 7719 | ncrb2020 | 7775 | ncrb2110 | 7831 | ncrb2197 |
| 7608 | ncrb1862 | 7664 | ncrb1928 | 7720 | ncrb2024 | 7776 | ncrb2111 | 7832 | ncrb2200 |
| 7609 | ncrb1864 | 7665 | ncrb1931 | 7721 | ncrb2027 | 7777 | ncrb2112 | 7833 | ncrb2201 |
| 7610 | ncrb1865 | 7666 | ncrb1936 | 7722 | ncrb2028 | 7778 | ncrb2115 | 7834 | ncrb2202 |
| 7611 | ncrb1866 | 7667 | ncrb1937 | 7723 | ncrb2029 | 7779 | ncrb2116 | 7835 | ncrb2204 |
| 7612 | ncrb1867 | 7668 | ncrb1939 | 7724 | ncrb2031 | 7780 | ncrb2117 | 7836 | ncrb2205 |
| 7613 | ncrb1868 | 7669 | ncrb1940 | 7725 | ncrb2032 | 7781 | ncrb2118 | 7837 | ncrb2206 |
| 7614 | ncrb1869 | 7670 | ncrb1941 | 7726 | ncrb2035 | 7782 | ncrb2119 | 7838 | ncrb2208 |
| 7615 | ncrb1871 | 7671 | ncrb1942 | 7727 | ncrb2036 | 7783 | ncrb2122 | 7839 | ncrb2211 |
| 7616 | ncrb1872 | 7672 | ncrb1943 | 7728 | ncrb2037 | 7784 | ncrb2124 | 7840 | ncrb2213 |

Figure 6C – Continued

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|------|----------|------|----------|------|----------|------|----------|------|----------|
| 7841 | ncrb2215 | 7897 | ncrb2299 | 7953 | ncrb2400 | 8009 | ncrb2489 | 8065 | ncrb2579 |
| 7842 | ncrb2219 | 7898 | ncrb2307 | 7954 | ncrb2403 | 8010 | ncrb2490 | 8066 | ncrb2580 |
| 7843 | ncrb2220 | 7899 | ncrb2308 | 7955 | ncrb2404 | 8011 | ncrb2491 | 8067 | ncrb2581 |
| 7844 | ncrb2221 | 7900 | ncrb2309 | 7956 | ncrb2405 | 8012 | ncrb2492 | 8068 | ncrb2582 |
| 7845 | ncrb2223 | 7901 | ncrb2310 | 7957 | ncrb2407 | 8013 | ncrb2495 | 8069 | ncrb2583 |
| 7846 | ncrb2224 | 7902 | ncrb2311 | 7958 | ncrb2408 | 8014 | ncrb2496 | 8070 | ncrb2585 |
| 7847 | ncrb2227 | 7903 | ncrb2317 | 7959 | ncrb2412 | 8015 | ncrb2500 | 8071 | ncrb2586 |
| 7848 | ncrb2228 | 7904 | ncrb2320 | 7960 | ncrb2414 | 8016 | ncrb2503 | 8072 | ncrb2588 |
| 7849 | ncrb2229 | 7905 | ncrb2323 | 7961 | ncrb2415 | 8017 | ncrb2504 | 8073 | ncrb2590 |
| 7850 | ncrb2231 | 7906 | ncrb2324 | 7962 | ncrb2416 | 8018 | ncrb2507 | 8074 | ncrb2591 |
| 7851 | ncrb2235 | 7907 | ncrb2328 | 7963 | ncrb2419 | 8019 | ncrb2508 | 8075 | ncrb2592 |
| 7852 | ncrb2237 | 7908 | ncrb2330 | 7964 | ncrb2421 | 8020 | ncrb2510 | 8076 | ncrb2595 |
| 7853 | ncrb2239 | 7909 | ncrb2331 | 7965 | ncrb2422 | 8021 | ncrb2511 | 8077 | ncrb2597 |
| 7854 | ncrb2240 | 7910 | ncrb2335 | 7966 | ncrb2424 | 8022 | ncrb2512 | 8078 | ncrb2598 |
| 7855 | ncrb2241 | 7911 | ncrb2336 | 7967 | ncrb2426 | 8023 | ncrb2515 | 8079 | ncrb2599 |
| 7856 | ncrb2242 | 7912 | ncrb2339 | 7968 | ncrb2427 | 8024 | ncrb2516 | 8080 | ncrb2600 |
| 7857 | ncrb2243 | 7913 | ncrb2341 | 7969 | ncrb2428 | 8025 | ncrb2517 | 8081 | ncrb2601 |
| 7858 | ncrb2245 | 7914 | ncrb2342 | 7970 | ncrb2429 | 8026 | ncrb2519 | 8082 | ncrb2603 |
| 7859 | ncrb2246 | 7915 | ncrb2344 | 7971 | ncrb2431 | 8027 | ncrb2523 | 8083 | ncrb2604 |
| 7860 | ncrb2247 | 7916 | ncrb2346 | 7972 | ncrb2432 | 8028 | ncrb2524 | 8084 | ncrb2606 |
| 7861 | ncrb2248 | 7917 | ncrb2347 | 7973 | ncrb2434 | 8029 | ncrb2527 | 8085 | ncrb2607 |
| 7862 | ncrb2250 | 7918 | ncrb2348 | 7974 | ncrb2435 | 8030 | ncrb2528 | 8086 | ncrb2608 |
| 7863 | ncrb2251 | 7919 | ncrb2351 | 7975 | ncrb2437 | 8031 | ncrb2529 | 8087 | ncrb2611 |
| 7864 | ncrb2255 | 7920 | ncrb2352 | 7976 | ncrb2440 | 8032 | ncrb2531 | 8088 | ncrb2614 |
| 7865 | ncrb2256 | 7921 | ncrb2357 | 7977 | ncrb2442 | 8033 | ncrb2533 | 8089 | ncrb2615 |
| 7866 | ncrb2257 | 7922 | ncrb2358 | 7978 | ncrb2444 | 8034 | ncrb2534 | 8090 | ncrb2617 |
| 7867 | ncrb2258 | 7923 | ncrb2359 | 7979 | ncrb2445 | 8035 | ncrb2535 | 8091 | ncrb2618 |
| 7868 | ncrb2261 | 7924 | ncrb2360 | 7980 | ncrb2447 | 8036 | ncrb2539 | 8092 | ncrb2621 |
| 7869 | ncrb2262 | 7925 | ncrb2361 | 7981 | ncrb2448 | 8037 | ncrb2540 | 8093 | ncrb2623 |
| 7870 | ncrb2263 | 7926 | ncrb2362 | 7982 | ncrb2449 | 8038 | ncrb2543 | 8094 | ncrb2626 |
| 7871 | ncrb2265 | 7927 | ncrb2364 | 7983 | ncrb2451 | 8039 | ncrb2544 | 8095 | ncrb2627 |
| 7872 | ncrb2266 | 7928 | ncrb2365 | 7984 | ncrb2452 | 8040 | ncrb2546 | 8096 | ncrb2628 |
| 7873 | ncrb2267 | 7929 | ncrb2367 | 7985 | ncrb2453 | 8041 | ncrb2547 | 8097 | ncrb2630 |
| 7874 | ncrb2268 | 7930 | ncrb2368 | 7986 | ncrb2454 | 8042 | ncrb2548 | 8098 | ncrb2632 |
| 7875 | ncrb2269 | 7931 | ncrb2369 | 7987 | ncrb2455 | 8043 | ncrb2550 | 8099 | ncrb2636 |
| 7876 | ncrb2270 | 7932 | ncrb2370 | 7988 | ncrb2456 | 8044 | ncrb2551 | 8100 | ncrb2637 |
| 7877 | ncrb2271 | 7933 | ncrb2373 | 7989 | ncrb2458 | 8045 | ncrb2552 | 8101 | ncrb2639 |
| 7878 | ncrb2272 | 7934 | ncrb2375 | 7990 | ncrb2459 | 8046 | ncrb2554 | 8102 | ncrb2640 |
| 7879 | ncrb2273 | 7935 | ncrb2377 | 7991 | ncrb2460 | 8047 | ncrb2555 | 8103 | ncrb2641 |
| 7880 | ncrb2274 | 7936 | ncrb2378 | 7992 | ncrb2461 | 8048 | ncrb2556 | 8104 | ncrb2642 |
| 7881 | ncrb2277 | 7937 | ncrb2379 | 7993 | ncrb2465 | 8049 | ncrb2557 | 8105 | ncrb2643 |
| 7882 | ncrb2278 | 7938 | ncrb2380 | 7994 | ncrb2466 | 8050 | ncrb2558 | 8106 | ncrb2644 |
| 7883 | ncrb2279 | 7939 | ncrb2381 | 7995 | ncrb2467 | 8051 | ncrb2559 | 8107 | ncrb2645 |
| 7884 | ncrb2280 | 7940 | ncrb2383 | 7996 | ncrb2468 | 8052 | ncrb2560 | 8108 | ncrb2646 |
| 7885 | ncrb2281 | 7941 | ncrb2387 | 7997 | ncrb2469 | 8053 | ncrb2562 | 8109 | ncrb2647 |
| 7886 | ncrb2282 | 7942 | ncrb2388 | 7998 | ncrb2470 | 8054 | ncrb2563 | 8110 | ncrb2648 |
| 7887 | ncrb2283 | 7943 | ncrb2389 | 7999 | ncrb2471 | 8055 | ncrb2565 | 8111 | ncrb2649 |
| 7888 | ncrb2284 | 7944 | ncrb2390 | 8000 | ncrb2472 | 8056 | ncrb2566 | 8112 | ncrb2650 |
| 7889 | ncrb2286 | 7945 | ncrb2391 | 8001 | ncrb2474 | 8057 | ncrb2568 | 8113 | ncrb2651 |
| 7890 | ncrb2288 | 7946 | ncrb2393 | 8002 | ncrb2475 | 8058 | ncrb2570 | 8114 | ncrb2655 |
| 7891 | ncrb2289 | 7947 | ncrb2394 | 8003 | ncrb2478 | 8059 | ncrb2571 | 8115 | ncrb2656 |
| 7892 | ncrb2291 | 7948 | ncrb2395 | 8004 | ncrb2479 | 8060 | ncrb2572 | 8116 | ncrb2657 |
| 7893 | ncrb2292 | 7949 | ncrb2396 | 8005 | ncrb2480 | 8061 | ncrb2573 | 8117 | ncrb2658 |
| 7894 | ncrb2293 | 7950 | ncrb2397 | 8006 | ncrb2484 | 8062 | ncrb2574 | 8118 | ncrb2659 |
| 7895 | ncrb2294 | 7951 | ncrb2398 | 8007 | ncrb2485 | 8063 | ncrb2575 | 8119 | ncrb2660 |
| 7896 | ncrb2295 | 7952 | ncrb2399 | 8008 | ncrb2486 | 8064 | ncrb2576 | 8120 | ncrb2661 |

Figure 6C -- Continued

| | | | | | | | | | |
|------|----------|------|----------|------|----------|------|----------|------|----------|
| 8121 | ncrb2662 | 8177 | ncrb2749 | 8233 | ncrb2842 | 8289 | ncrb2942 | 8345 | ncrb3053 |
| 8122 | ncrb2665 | 8178 | ncrb2751 | 8234 | ncrb2844 | 8290 | ncrb2943 | 8346 | ncrb3054 |
| 8123 | ncrb2666 | 8179 | ncrb2752 | 8235 | ncrb2845 | 8291 | ncrb2945 | 8347 | ncrb3055 |
| 8124 | ncrb2667 | 8180 | ncrb2753 | 8236 | ncrb2846 | 8292 | ncrb2947 | 8348 | ncrb3056 |
| 8125 | ncrb2669 | 8181 | ncrb2754 | 8237 | ncrb2847 | 8293 | ncrb2949 | 8349 | ncrb3061 |
| 8126 | ncrb2671 | 8182 | ncrb2755 | 8238 | ncrb2848 | 8294 | ncrb2951 | 8350 | ncrb3063 |
| 8127 | ncrb2672 | 8183 | ncrb2756 | 8239 | ncrb2850 | 8295 | ncrb2952 | 8351 | ncrb3064 |
| 8128 | ncrb2676 | 8184 | ncrb2757 | 8240 | ncrb2851 | 8296 | ncrb2954 | 8352 | ncrb3071 |
| 8129 | ncrb2677 | 8185 | ncrb2759 | 8241 | ncrb2852 | 8297 | ncrb2955 | 8353 | ncrb3076 |
| 8130 | ncrb2678 | 8186 | ncrb2761 | 8242 | ncrb2853 | 8298 | ncrb2956 | 8354 | ncrb3077 |
| 8131 | ncrb2680 | 8187 | ncrb2762 | 8243 | ncrb2854 | 8299 | ncrb2957 | 8355 | ncrb3079 |
| 8132 | ncrb2681 | 8188 | ncrb2763 | 8244 | ncrb2855 | 8300 | ncrb2961 | 8356 | ncrb3080 |
| 8133 | ncrb2683 | 8189 | ncrb2765 | 8245 | ncrb2856 | 8301 | ncrb2963 | 8357 | ncrb3083 |
| 8134 | ncrb2684 | 8190 | ncrb2767 | 8246 | ncrb2857 | 8302 | ncrb2966 | 8358 | ncrb3086 |
| 8135 | ncrb2686 | 8191 | ncrb2771 | 8247 | ncrb2858 | 8303 | ncrb2968 | 8359 | ncrb3087 |
| 8136 | ncrb2687 | 8192 | ncrb2772 | 8248 | ncrb2861 | 8304 | ncrb2969 | 8360 | ncrb3091 |
| 8137 | ncrb2688 | 8193 | ncrb2773 | 8249 | ncrb2862 | 8305 | ncrb2971 | 8361 | ncrb3095 |
| 8138 | ncrb2692 | 8194 | ncrb2775 | 8250 | ncrb2864 | 8306 | ncrb2973 | 8362 | ncrb3096 |
| 8139 | ncrb2693 | 8195 | ncrb2777 | 8251 | ncrb2865 | 8307 | ncrb2976 | 8363 | ncrb3097 |
| 8140 | ncrb2696 | 8196 | ncrb2778 | 8252 | ncrb2867 | 8308 | ncrb2979 | 8364 | ncrb3098 |
| 8141 | ncrb2697 | 8197 | ncrb2779 | 8253 | ncrb2868 | 8309 | ncrb2980 | 8365 | ncrb3101 |
| 8142 | ncrb2699 | 8198 | ncrb2780 | 8254 | ncrb2869 | 8310 | ncrb2983 | 8366 | ncrb3104 |
| 8143 | ncrb2700 | 8199 | ncrb2781 | 8255 | ncrb2870 | 8311 | ncrb2991 | 8367 | ncrb3105 |
| 8144 | ncrb2701 | 8200 | ncrb2783 | 8256 | ncrb2871 | 8312 | ncrb2992 | 8368 | ncrb3107 |
| 8145 | ncrb2703 | 8201 | ncrb2784 | 8257 | ncrb2873 | 8313 | ncrb2997 | 8369 | ncrb3108 |
| 8146 | ncrb2704 | 8202 | ncrb2787 | 8258 | ncrb2874 | 8314 | ncrb3000 | 8370 | ncrb3112 |
| 8147 | ncrb2709 | 8203 | ncrb2788 | 8259 | ncrb2875 | 8315 | ncrb3001 | 8371 | ncrb3114 |
| 8148 | ncrb2711 | 8204 | ncrb2792 | 8260 | ncrb2880 | 8316 | ncrb3002 | 8372 | ncrb3115 |
| 8149 | ncrb2712 | 8205 | ncrb2795 | 8261 | ncrb2883 | 8317 | ncrb3003 | 8373 | ncrb3119 |
| 8150 | ncrb2713 | 8206 | ncrb2796 | 8262 | ncrb2884 | 8318 | ncrb3005 | 8374 | ncrb3120 |
| 8151 | ncrb2715 | 8207 | ncrb2797 | 8263 | ncrb2887 | 8319 | ncrb3007 | 8375 | ncrb3121 |
| 8152 | ncrb2716 | 8208 | ncrb2798 | 8264 | ncrb2888 | 8320 | ncrb3008 | 8376 | ncrb3122 |
| 8153 | ncrb2717 | 8209 | ncrb2799 | 8265 | ncrb2892 | 8321 | ncrb3010 | 8377 | ncrb3123 |
| 8154 | ncrb2719 | 8210 | ncrb2800 | 8266 | ncrb2897 | 8322 | ncrb3011 | 8378 | ncrb3124 |
| 8155 | ncrb2720 | 8211 | ncrb2801 | 8267 | ncrb2900 | 8323 | ncrb3013 | 8379 | ncrb3126 |
| 8156 | ncrb2722 | 8212 | ncrb2803 | 8268 | ncrb2903 | 8324 | ncrb3014 | 8380 | ncrb3127 |
| 8157 | ncrb2724 | 8213 | ncrb2804 | 8269 | ncrb2906 | 8325 | ncrb3015 | 8381 | ncrb3128 |
| 8158 | ncrb2725 | 8214 | ncrb2807 | 8270 | ncrb2908 | 8326 | ncrb3016 | 8382 | ncrb3129 |
| 8159 | ncrb2726 | 8215 | ncrb2808 | 8271 | ncrb2909 | 8327 | ncrb3018 | 8383 | ncrb3130 |
| 8160 | ncrb2727 | 8216 | ncrb2809 | 8272 | ncrb2912 | 8328 | ncrb3020 | 8384 | ncrb3131 |
| 8161 | ncrb2728 | 8217 | ncrb2812 | 8273 | ncrb2914 | 8329 | ncrb3021 | 8385 | ncrb3134 |
| 8162 | ncrb2730 | 8218 | ncrb2813 | 8274 | ncrb2916 | 8330 | ncrb3023 | 8386 | ncrb3135 |
| 8163 | ncrb2732 | 8219 | ncrb2817 | 8275 | ncrb2917 | 8331 | ncrb3024 | 8387 | ncrb3136 |
| 8164 | ncrb2735 | 8220 | ncrb2818 | 8276 | ncrb2918 | 8332 | ncrb3025 | 8388 | ncrb3140 |
| 8165 | ncrb2736 | 8221 | ncrb2820 | 8277 | ncrb2922 | 8333 | ncrb3026 | 8389 | ncrb3141 |
| 8166 | ncrb2738 | 8222 | ncrb2821 | 8278 | ncrb2924 | 8334 | ncrb3028 | 8390 | ncrb3142 |
| 8167 | ncrb2739 | 8223 | ncrb2826 | 8279 | ncrb2928 | 8335 | ncrb3029 | 8391 | ncrb3143 |
| 8168 | ncrb2740 | 8224 | ncrb2831 | 8280 | ncrb2929 | 8336 | ncrb3031 | 8392 | ncrb3144 |
| 8169 | ncrb2741 | 8225 | ncrb2832 | 8281 | ncrb2930 | 8337 | ncrb3032 | 8393 | ncrb3147 |
| 8170 | ncrb2742 | 8226 | ncrb2833 | 8282 | ncrb2932 | 8338 | ncrb3035 | 8394 | ncrb3148 |
| 8171 | ncrb2743 | 8227 | ncrb2834 | 8283 | ncrb2933 | 8339 | ncrb3037 | 8395 | ncrb3149 |
| 8172 | ncrb2744 | 8228 | ncrb2835 | 8284 | ncrb2934 | 8340 | ncrb3038 | 8396 | ncrb3150 |
| 8173 | ncrb2745 | 8229 | ncrb2836 | 8285 | ncrb2935 | 8341 | ncrb3045 | 8397 | ncrb3151 |
| 8174 | ncrb2746 | 8230 | ncrb2838 | 8286 | ncrb2938 | 8342 | ncrb3046 | 8398 | ncrb3152 |
| 8175 | ncrb2747 | 8231 | ncrb2839 | 8287 | ncrb2939 | 8343 | ncrb3047 | 8399 | ncrb3153 |
| 8176 | ncrb2748 | 8232 | ncrb2840 | 8288 | ncrb2941 | 8344 | ncrb3048 | 8400 | ncrb3156 |

Figure 6C - Continued

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|------|----------|------|----------|------|----------|------|----------|------|----------|
| 8401 | ncrb3157 | 8457 | ncrb3245 | 8513 | ncrb3337 | 8569 | ncrb3426 | 8625 | ncrb3514 |
| 8402 | ncrb3158 | 8458 | ncrb3248 | 8514 | ncrb3338 | 8570 | ncrb3427 | 8626 | ncrb3516 |
| 8403 | ncrb3160 | 8459 | ncrb3249 | 8515 | ncrb3339 | 8571 | ncrb3429 | 8627 | ncrb3517 |
| 8404 | ncrb3162 | 8460 | ncrb3251 | 8516 | ncrb3340 | 8572 | ncrb3430 | 8628 | ncrb3519 |
| 8405 | ncrb3163 | 8461 | ncrb3252 | 8517 | ncrb3341 | 8573 | ncrb3431 | 8629 | ncrb3520 |
| 8406 | ncrb3164 | 8462 | ncrb3254 | 8518 | ncrb3344 | 8574 | ncrb3432 | 8630 | ncrb3521 |
| 8407 | ncrb3165 | 8463 | ncrb3255 | 8519 | ncrb3345 | 8575 | ncrb3434 | 8631 | ncrb3522 |
| 8408 | ncrb3166 | 8464 | ncrb3256 | 8520 | ncrb3348 | 8576 | ncrb3436 | 8632 | ncrb3524 |
| 8409 | ncrb3167 | 8465 | ncrb3258 | 8521 | ncrb3349 | 8577 | ncrb3437 | 8633 | ncrb3527 |
| 8410 | ncrb3168 | 8466 | ncrb3261 | 8522 | ncrb3350 | 8578 | ncrb3438 | 8634 | ncrb3528 |
| 8411 | ncrb3171 | 8467 | ncrb3263 | 8523 | ncrb3352 | 8579 | ncrb3439 | 8635 | ncrb3532 |
| 8412 | ncrb3172 | 8468 | ncrb3264 | 8524 | ncrb3354 | 8580 | ncrb3440 | 8636 | ncrb3533 |
| 8413 | ncrb3173 | 8469 | ncrb3267 | 8525 | ncrb3355 | 8581 | ncrb3441 | 8637 | ncrb3534 |
| 8414 | ncrb3176 | 8470 | ncrb3268 | 8526 | ncrb3356 | 8582 | ncrb3442 | 8638 | ncrb3535 |
| 8415 | ncrb3177 | 8471 | ncrb3271 | 8527 | ncrb3359 | 8583 | ncrb3443 | 8639 | ncrb3536 |
| 8416 | ncrb3180 | 8472 | ncrb3275 | 8528 | ncrb3360 | 8584 | ncrb3444 | 8640 | ncrb3537 |
| 8417 | ncrb3182 | 8473 | ncrb3276 | 8529 | ncrb3362 | 8585 | ncrb3445 | 8641 | ncrb3539 |
| 8418 | ncrb3183 | 8474 | ncrb3277 | 8530 | ncrb3363 | 8586 | ncrb3446 | 8642 | ncrb3540 |
| 8419 | ncrb3184 | 8475 | ncrb3281 | 8531 | ncrb3369 | 8587 | ncrb3449 | 8643 | ncrb3541 |
| 8420 | ncrb3185 | 8476 | ncrb3284 | 8532 | ncrb3370 | 8588 | ncrb3450 | 8644 | ncrb3542 |
| 8421 | ncrb3188 | 8477 | ncrb3285 | 8533 | ncrb3371 | 8589 | ncrb3451 | 8645 | ncrb3544 |
| 8422 | ncrb3192 | 8478 | ncrb3287 | 8534 | ncrb3373 | 8590 | ncrb3452 | 8646 | ncrb3547 |
| 8423 | ncrb3197 | 8479 | ncrb3288 | 8535 | ncrb3376 | 8591 | ncrb3453 | 8647 | ncrb3548 |
| 8424 | ncrb3199 | 8480 | ncrb3289 | 8536 | ncrb3377 | 8592 | ncrb3454 | 8648 | ncrb3549 |
| 8425 | ncrb3200 | 8481 | ncrb3291 | 8537 | ncrb3379 | 8593 | ncrb3455 | 8649 | ncrb3550 |
| 8426 | ncrb3202 | 8482 | ncrb3298 | 8538 | ncrb3380 | 8594 | ncrb3459 | 8650 | ncrb3551 |
| 8427 | ncrb3203 | 8483 | ncrb3299 | 8539 | ncrb3381 | 8595 | ncrb3460 | 8651 | ncrb3552 |
| 8428 | ncrb3204 | 8484 | ncrb3300 | 8540 | ncrb3384 | 8596 | ncrb3463 | 8652 | ncrb3555 |
| 8429 | ncrb3205 | 8485 | ncrb3301 | 8541 | ncrb3385 | 8597 | ncrb3464 | 8653 | ncrb3557 |
| 8430 | ncrb3207 | 8486 | ncrb3302 | 8542 | ncrb3386 | 8598 | ncrb3468 | 8654 | ncrb3559 |
| 8431 | ncrb3211 | 8487 | ncrb3304 | 8543 | ncrb3388 | 8599 | ncrb3469 | 8655 | ncrb3560 |
| 8432 | ncrb3212 | 8488 | ncrb3306 | 8544 | ncrb3389 | 8600 | ncrb3471 | 8656 | ncrb3563 |
| 8433 | ncrb3213 | 8489 | ncrb3307 | 8545 | ncrb3390 | 8601 | ncrb3475 | 8657 | ncrb3564 |
| 8434 | ncrb3215 | 8490 | ncrb3309 | 8546 | ncrb3391 | 8602 | ncrb3476 | 8658 | ncrb3567 |
| 8435 | ncrb3216 | 8491 | ncrb3313 | 8547 | ncrb3392 | 8603 | ncrb3477 | 8659 | ncrb3568 |
| 8436 | ncrb3217 | 8492 | ncrb3314 | 8548 | ncrb3393 | 8604 | ncrb3481 | 8660 | ncrb3569 |
| 8437 | ncrb3218 | 8493 | ncrb3315 | 8549 | ncrb3394 | 8605 | ncrb3482 | 8661 | ncrb3572 |
| 8438 | ncrb3220 | 8494 | ncrb3316 | 8550 | ncrb3396 | 8606 | ncrb3483 | 8662 | ncrb3573 |
| 8439 | ncrb3221 | 8495 | ncrb3317 | 8551 | ncrb3397 | 8607 | ncrb3484 | 8663 | ncrb3574 |
| 8440 | ncrb3222 | 8496 | ncrb3318 | 8552 | ncrb3398 | 8608 | ncrb3486 | 8664 | ncrb3576 |
| 8441 | ncrb3224 | 8497 | ncrb3319 | 8553 | ncrb3400 | 8609 | ncrb3488 | 8665 | ncrb3577 |
| 8442 | ncrb3225 | 8498 | ncrb3320 | 8554 | ncrb3402 | 8610 | ncrb3492 | 8666 | ncrb3578 |
| 8443 | ncrb3226 | 8499 | ncrb3321 | 8555 | ncrb3403 | 8611 | ncrb3495 | 8667 | ncrb3579 |
| 8444 | ncrb3227 | 8500 | ncrb3322 | 8556 | ncrb3404 | 8612 | ncrb3496 | 8668 | ncrb3580 |
| 8445 | ncrb3229 | 8501 | ncrb3324 | 8557 | ncrb3408 | 8613 | ncrb3498 | 8669 | ncrb3581 |
| 8446 | ncrb3230 | 8502 | ncrb3325 | 8558 | ncrb3409 | 8614 | ncrb3500 | 8670 | ncrb3583 |
| 8447 | ncrb3232 | 8503 | ncrb3326 | 8559 | ncrb3410 | 8615 | ncrb3501 | 8671 | ncrb3584 |
| 8448 | ncrb3233 | 8504 | ncrb3327 | 8560 | ncrb3414 | 8616 | ncrb3503 | 8672 | ncrb3585 |
| 8449 | ncrb3234 | 8505 | ncrb3328 | 8561 | ncrb3415 | 8617 | ncrb3504 | 8673 | ncrb3586 |
| 8450 | ncrb3235 | 8506 | ncrb3329 | 8562 | ncrb3417 | 8618 | ncrb3506 | 8674 | ncrb3587 |
| 8451 | ncrb3236 | 8507 | ncrb3330 | 8563 | ncrb3418 | 8619 | ncrb3507 | 8675 | ncrb3588 |
| 8452 | ncrb3237 | 8508 | ncrb3331 | 8564 | ncrb3421 | 8620 | ncrb3509 | 8676 | ncrb3589 |
| 8453 | ncrb3238 | 8509 | ncrb3332 | 8565 | ncrb3422 | 8621 | ncrb3510 | 8677 | ncrb3590 |
| 8454 | ncrb3240 | 8510 | ncrb3333 | 8566 | ncrb3423 | 8622 | ncrb3511 | 8678 | ncrb3595 |
| 8455 | ncrb3241 | 8511 | ncrb3334 | 8567 | ncrb3424 | 8623 | ncrb3512 | 8679 | ncrb3596 |
| 8456 | ncrb3243 | 8512 | ncrb3335 | 8568 | ncrb3425 | 8624 | ncrb3513 | 8680 | ncrb3597 |

Figure 6C -- Continued

| | | | | | | | | | |
|------|----------|------|----------|------|----------|------|----------|------|----------|
| 8681 | ncrb3599 | 8737 | ncrb3765 | 8793 | ncrb3890 | 8849 | ncrb3990 | 8905 | ncrb4084 |
| 8682 | ncrb3602 | 8738 | ncrb3766 | 8794 | ncrb3891 | 8850 | ncrb3991 | 8906 | ncrb4085 |
| 8683 | ncrb3603 | 8739 | ncrb3768 | 8795 | ncrb3893 | 8851 | ncrb3992 | 8907 | ncrb4086 |
| 8684 | ncrb3604 | 8740 | ncrb3770 | 8796 | ncrb3894 | 8852 | ncrb3993 | 8908 | ncrb4087 |
| 8685 | ncrb3605 | 8741 | ncrb3772 | 8797 | ncrb3895 | 8853 | ncrb3995 | 8909 | ncrb4088 |
| 8686 | ncrb3607 | 8742 | ncrb3776 | 8798 | ncrb3896 | 8854 | ncrb3996 | 8910 | ncrb4089 |
| 8687 | ncrb3608 | 8743 | ncrb3782 | 8799 | ncrb3900 | 8855 | ncrb3997 | 8911 | ncrb4091 |
| 8688 | ncrb3609 | 8744 | ncrb3783 | 8800 | ncrb3902 | 8856 | ncrb3998 | 8912 | ncrb4092 |
| 8689 | ncrb3610 | 8745 | ncrb3784 | 8801 | ncrb3903 | 8857 | ncrb3999 | 8913 | ncrb4093 |
| 8690 | ncrb3611 | 8746 | ncrb3792 | 8802 | ncrb3907 | 8858 | ncrb4000 | 8914 | ncrb4094 |
| 8691 | ncrb3612 | 8747 | ncrb3793 | 8803 | ncrb3908 | 8859 | ncrb4001 | 8915 | ncrb4095 |
| 8692 | ncrb3613 | 8748 | ncrb3796 | 8804 | ncrb3910 | 8860 | ncrb4002 | 8916 | ncrb4097 |
| 8693 | ncrb3618 | 8749 | ncrb3797 | 8805 | ncrb3912 | 8861 | ncrb4003 | 8917 | ncrb4098 |
| 8694 | ncrb3619 | 8750 | ncrb3798 | 8806 | ncrb3913 | 8862 | ncrb4004 | 8918 | ncrb4100 |
| 8695 | ncrb3620 | 8751 | ncrb3799 | 8807 | ncrb3916 | 8863 | ncrb4006 | 8919 | ncrb4101 |
| 8696 | ncrb3621 | 8752 | ncrb3804 | 8808 | ncrb3917 | 8864 | ncrb4007 | 8920 | ncrb4102 |
| 8697 | ncrb3623 | 8753 | ncrb3805 | 8809 | ncrb3919 | 8865 | ncrb4008 | 8921 | ncrb4103 |
| 8698 | ncrb3624 | 8754 | ncrb3812 | 8810 | ncrb3924 | 8866 | ncrb4009 | 8922 | ncrb4104 |
| 8699 | ncrb3625 | 8755 | ncrb3813 | 8811 | ncrb3926 | 8867 | ncrb4011 | 8923 | ncrb4105 |
| 8700 | ncrb3626 | 8756 | ncrb3815 | 8812 | ncrb3928 | 8868 | ncrb4014 | 8924 | ncrb4106 |
| 8701 | ncrb3627 | 8757 | ncrb3816 | 8813 | ncrb3929 | 8869 | ncrb4015 | 8925 | ncrb4108 |
| 8702 | ncrb3628 | 8758 | ncrb3821 | 8814 | ncrb3931 | 8870 | ncrb4019 | 8926 | ncrb4109 |
| 8703 | ncrb3629 | 8759 | ncrb3823 | 8815 | ncrb3932 | 8871 | ncrb4021 | 8927 | ncrb4111 |
| 8704 | ncrb3630 | 8760 | ncrb3829 | 8816 | ncrb3933 | 8872 | ncrb4022 | 8928 | ncrb4112 |
| 8705 | ncrb3633 | 8761 | ncrb3841 | 8817 | ncrb3934 | 8873 | ncrb4023 | 8929 | ncrb4116 |
| 8706 | ncrb3636 | 8762 | ncrb3843 | 8818 | ncrb3935 | 8874 | ncrb4025 | 8930 | ncrb4117 |
| 8707 | ncrb3637 | 8763 | ncrb3844 | 8819 | ncrb3936 | 8875 | ncrb4027 | 8931 | ncrb4118 |
| 8708 | ncrb3638 | 8764 | ncrb3845 | 8820 | ncrb3940 | 8876 | ncrb4030 | 8932 | ncrb4119 |
| 8709 | ncrb3641 | 8765 | ncrb3847 | 8821 | ncrb3941 | 8877 | ncrb4031 | 8933 | ncrb4120 |
| 8710 | ncrb3646 | 8766 | ncrb3848 | 8822 | ncrb3942 | 8878 | ncrb4032 | 8934 | ncrb4121 |
| 8711 | ncrb3647 | 8767 | ncrb3850 | 8823 | ncrb3943 | 8879 | ncrb4035 | 8935 | ncrb4122 |
| 8712 | ncrb3648 | 8768 | ncrb3851 | 8824 | ncrb3944 | 8880 | ncrb4037 | 8936 | ncrb4123 |
| 8713 | ncrb3660 | 8769 | ncrb3852 | 8825 | ncrb3945 | 8881 | ncrb4039 | 8937 | ncrb4125 |
| 8714 | ncrb3663 | 8770 | ncrb3853 | 8826 | ncrb3947 | 8882 | ncrb4041 | 8938 | ncrb4126 |
| 8715 | ncrb3669 | 8771 | ncrb3854 | 8827 | ncrb3948 | 8883 | ncrb4044 | 8939 | ncrb4127 |
| 8716 | ncrb3672 | 8772 | ncrb3855 | 8828 | ncrb3949 | 8884 | ncrb4045 | 8940 | ncrb4128 |
| 8717 | ncrb3676 | 8773 | ncrb3856 | 8829 | ncrb3950 | 8885 | ncrb4047 | 8941 | ncrb4131 |
| 8718 | ncrb3677 | 8774 | ncrb3859 | 8830 | ncrb3951 | 8886 | ncrb4048 | 8942 | ncrb4132 |
| 8719 | ncrb3679 | 8775 | ncrb3860 | 8831 | ncrb3953 | 8887 | ncrb4053 | 8943 | ncrb4133 |
| 8720 | ncrb3680 | 8776 | ncrb3861 | 8832 | ncrb3955 | 8888 | ncrb4055 | 8944 | ncrb4135 |
| 8721 | ncrb3681 | 8777 | ncrb3863 | 8833 | ncrb3957 | 8889 | ncrb4056 | 8945 | ncrb4136 |
| 8722 | ncrb3683 | 8778 | ncrb3864 | 8834 | ncrb3959 | 8890 | ncrb4057 | 8946 | ncrb4139 |
| 8723 | ncrb3684 | 8779 | ncrb3866 | 8835 | ncrb3960 | 8891 | ncrb4059 | 8947 | ncrb4140 |
| 8724 | ncrb3685 | 8780 | ncrb3867 | 8836 | ncrb3965 | 8892 | ncrb4061 | 8948 | ncrb4141 |
| 8725 | ncrb3686 | 8781 | ncrb3872 | 8837 | ncrb3967 | 8893 | ncrb4063 | 8949 | ncrb4143 |
| 8726 | ncrb3687 | 8782 | ncrb3873 | 8838 | ncrb3969 | 8894 | ncrb4065 | 8950 | ncrb4144 |
| 8727 | ncrb3692 | 8783 | ncrb3875 | 8839 | ncrb3973 | 8895 | ncrb4067 | 8951 | ncrb4145 |
| 8728 | ncrb3693 | 8784 | ncrb3876 | 8840 | ncrb3975 | 8896 | ncrb4068 | 8952 | ncrb4149 |
| 8729 | ncrb3695 | 8785 | ncrb3877 | 8841 | ncrb3980 | 8897 | ncrb4072 | 8953 | ncrb4153 |
| 8730 | ncrb3700 | 8786 | ncrb3878 | 8842 | ncrb3981 | 8898 | ncrb4074 | 8954 | ncrb4154 |
| 8731 | ncrb3702 | 8787 | ncrb3879 | 8843 | ncrb3984 | 8899 | ncrb4076 | 8955 | ncrb4155 |
| 8732 | ncrb3703 | 8788 | ncrb3880 | 8844 | ncrb3985 | 8900 | ncrb4077 | 8956 | ncrb4156 |
| 8733 | ncrb3708 | 8789 | ncrb3882 | 8845 | ncrb3986 | 8901 | ncrb4079 | 8957 | ncrb4157 |
| 8734 | ncrb3712 | 8790 | ncrb3883 | 8846 | ncrb3987 | 8902 | ncrb4080 | 8958 | ncrb4161 |
| 8735 | ncrb3758 | 8791 | ncrb3887 | 8847 | ncrb3988 | 8903 | ncrb4081 | 8959 | ncrb4165 |
| 8736 | ncrb3760 | 8792 | ncrb3888 | 8848 | ncrb3989 | 8904 | ncrb4083 | 8960 | ncrb4166 |

Figure 6C -- Continued

| | | | | | | | | | |
|------|----------|------|----------|------|----------|------|----------|------|----------|
| 8961 | ncrb4168 | 9017 | ncrb4250 | 9073 | ncrb4340 | 9129 | ncrb4437 | 9185 | ncrb4507 |
| 8962 | ncrb4170 | 9018 | ncrb4251 | 9074 | ncrb4341 | 9130 | ncrb4439 | 9186 | ncrb4509 |
| 8963 | ncrb4171 | 9019 | ncrb4252 | 9075 | ncrb4343 | 9131 | ncrb4440 | 9187 | ncrb4511 |
| 8964 | ncrb4172 | 9020 | ncrb4253 | 9076 | ncrb4344 | 9132 | ncrb4441 | 9188 | ncrb4512 |
| 8965 | ncrb4173 | 9021 | ncrb4254 | 9077 | ncrb4347 | 9133 | ncrb4442 | 9189 | ncrb4515 |
| 8966 | ncrb4175 | 9022 | ncrb4255 | 9078 | ncrb4349 | 9134 | ncrb4443 | 9190 | ncrb4517 |
| 8967 | ncrb4177 | 9023 | ncrb4256 | 9079 | ncrb4351 | 9135 | ncrb4444 | 9191 | ncrb4520 |
| 8968 | ncrb4178 | 9024 | ncrb4259 | 9080 | ncrb4352 | 9136 | ncrb4445 | 9192 | ncrb4523 |
| 8969 | ncrb4180 | 9025 | ncrb4260 | 9081 | ncrb4353 | 9137 | ncrb4447 | 9193 | ncrb4525 |
| 8970 | ncrb4181 | 9026 | ncrb4261 | 9082 | ncrb4355 | 9138 | ncrb4448 | 9194 | ncrb4527 |
| 8971 | ncrb4182 | 9027 | ncrb4262 | 9083 | ncrb4356 | 9139 | ncrb4449 | 9195 | ncrb4528 |
| 8972 | ncrb4183 | 9028 | ncrb4264 | 9084 | ncrb4358 | 9140 | ncrb4451 | 9196 | ncrb4529 |
| 8973 | ncrb4187 | 9029 | ncrb4266 | 9085 | ncrb4359 | 9141 | ncrb4452 | 9197 | ncrb4531 |
| 8974 | ncrb4188 | 9030 | ncrb4267 | 9086 | ncrb4360 | 9142 | ncrb4453 | 9198 | ncrb4532 |
| 8975 | ncrb4189 | 9031 | ncrb4269 | 9087 | ncrb4362 | 9143 | ncrb4456 | 9199 | ncrb4535 |
| 8976 | ncrb4190 | 9032 | ncrb4271 | 9088 | ncrb4365 | 9144 | ncrb4458 | 9200 | ncrb4536 |
| 8977 | ncrb4191 | 9033 | ncrb4272 | 9089 | ncrb4367 | 9145 | ncrb4459 | 9201 | ncrb4537 |
| 8978 | ncrb4192 | 9034 | ncrb4273 | 9090 | ncrb4368 | 9146 | ncrb4460 | 9202 | ncrb4538 |
| 8979 | ncrb4193 | 9035 | ncrb4275 | 9091 | ncrb4370 | 9147 | ncrb4461 | 9203 | ncrb4539 |
| 8980 | ncrb4194 | 9036 | ncrb4278 | 9092 | ncrb4371 | 9148 | ncrb4464 | 9204 | ncrb4540 |
| 8981 | ncrb4195 | 9037 | ncrb4279 | 9093 | ncrb4373 | 9149 | ncrb4465 | 9205 | ncrb4541 |
| 8982 | ncrb4196 | 9038 | ncrb4280 | 9094 | ncrb4375 | 9150 | ncrb4466 | 9206 | ncrb4543 |
| 8983 | ncrb4198 | 9039 | ncrb4282 | 9095 | ncrb4376 | 9151 | ncrb4467 | 9207 | ncrb4544 |
| 8984 | ncrb4199 | 9040 | ncrb4283 | 9096 | ncrb4377 | 9152 | ncrb4468 | 9208 | ncrb4547 |
| 8985 | ncrb4200 | 9041 | ncrb4284 | 9097 | ncrb4378 | 9153 | ncrb4469 | 9209 | ncrb4548 |
| 8986 | ncrb4201 | 9042 | ncrb4285 | 9098 | ncrb4380 | 9154 | ncrb4470 | 9210 | ncrb4549 |
| 8987 | ncrb4202 | 9043 | ncrb4287 | 9099 | ncrb4383 | 9155 | ncrb4471 | 9211 | ncrb4551 |
| 8988 | ncrb4203 | 9044 | ncrb4288 | 9100 | ncrb4384 | 9156 | ncrb4472 | 9212 | ncrb4552 |
| 8989 | ncrb4204 | 9045 | ncrb4290 | 9101 | ncrb4385 | 9157 | ncrb4473 | 9213 | ncrb4554 |
| 8990 | ncrb4206 | 9046 | ncrb4291 | 9102 | ncrb4386 | 9158 | ncrb4474 | 9214 | ncrb4555 |
| 8991 | ncrb4207 | 9047 | ncrb4292 | 9103 | ncrb4390 | 9159 | ncrb4475 | 9215 | ncrb4556 |
| 8992 | ncrb4209 | 9048 | ncrb4293 | 9104 | ncrb4391 | 9160 | ncrb4476 | 9216 | ncrb4557 |
| 8993 | ncrb4210 | 9049 | ncrb4296 | 9105 | ncrb4392 | 9161 | ncrb4477 | 9217 | ncrb4559 |
| 8994 | ncrb4211 | 9050 | ncrb4297 | 9106 | ncrb4393 | 9162 | ncrb4478 | 9218 | ncrb4560 |
| 8995 | ncrb4212 | 9051 | ncrb4302 | 9107 | ncrb4395 | 9163 | ncrb4479 | 9219 | ncrb4561 |
| 8996 | ncrb4213 | 9052 | ncrb4303 | 9108 | ncrb4396 | 9164 | ncrb4480 | 9220 | ncrb4562 |
| 8997 | ncrb4215 | 9053 | ncrb4304 | 9109 | ncrb4398 | 9165 | ncrb4481 | 9221 | ncrb4563 |
| 8998 | ncrb4216 | 9054 | ncrb4305 | 9110 | ncrb4399 | 9166 | ncrb4482 | 9222 | ncrb4564 |
| 8999 | ncrb4217 | 9055 | ncrb4306 | 9111 | ncrb4402 | 9167 | ncrb4483 | 9223 | ncrb4565 |
| 9000 | ncrb4218 | 9056 | ncrb4308 | 9112 | ncrb4405 | 9168 | ncrb4484 | 9224 | ncrb4566 |
| 9001 | ncrb4220 | 9057 | ncrb4309 | 9113 | ncrb4406 | 9169 | ncrb4485 | 9225 | ncrb4567 |
| 9002 | ncrb4221 | 9058 | ncrb4310 | 9114 | ncrb4407 | 9170 | ncrb4486 | 9226 | ncrb4569 |
| 9003 | ncrb4224 | 9059 | ncrb4313 | 9115 | ncrb4408 | 9171 | ncrb4487 | 9227 | ncrb4570 |
| 9004 | ncrb4226 | 9060 | ncrb4314 | 9116 | ncrb4410 | 9172 | ncrb4488 | 9228 | ncrb4572 |
| 9005 | ncrb4227 | 9061 | ncrb4315 | 9117 | ncrb4414 | 9173 | ncrb4489 | 9229 | ncrb4573 |
| 9006 | ncrb4228 | 9062 | ncrb4316 | 9118 | ncrb4419 | 9174 | ncrb4490 | 9230 | ncrb4575 |
| 9007 | ncrb4232 | 9063 | ncrb4317 | 9119 | ncrb4421 | 9175 | ncrb4491 | 9231 | ncrb4576 |
| 9008 | ncrb4234 | 9064 | ncrb4319 | 9120 | ncrb4423 | 9176 | ncrb4493 | 9232 | ncrb4578 |
| 9009 | ncrb4235 | 9065 | ncrb4320 | 9121 | ncrb4424 | 9177 | ncrb4495 | 9233 | ncrb4579 |
| 9010 | ncrb4237 | 9066 | ncrb4327 | 9122 | ncrb4427 | 9178 | ncrb4496 | 9234 | ncrb4580 |
| 9011 | ncrb4240 | 9067 | ncrb4328 | 9123 | ncrb4428 | 9179 | ncrb4497 | 9235 | ncrb4581 |
| 9012 | ncrb4243 | 9068 | ncrb4331 | 9124 | ncrb4429 | 9180 | ncrb4502 | 9236 | ncrb4583 |
| 9013 | ncrb4244 | 9069 | ncrb4335 | 9125 | ncrb4431 | 9181 | ncrb4503 | 9237 | ncrb4584 |
| 9014 | ncrb4245 | 9070 | ncrb4336 | 9126 | ncrb4432 | 9182 | ncrb4504 | 9238 | ncrb4587 |
| 9015 | ncrb4248 | 9071 | ncrb4337 | 9127 | ncrb4433 | 9183 | ncrb4505 | 9239 | ncrb4588 |
| 9016 | ncrb4249 | 9072 | ncrb4339 | 9128 | ncrb4435 | 9184 | ncrb4506 | 9240 | ncrb4589 |

Figure 6C -- Continued

| | | | | | | | | | |
|------|----------|------|----------|------|----------|------|----------|------|----------|
| 9241 | ncrb4590 | 9297 | ncrb4677 | 9353 | ncrb4776 | 9409 | ncrb4875 | 9465 | ncrb4957 |
| 9242 | ncrb4591 | 9298 | ncrb4678 | 9354 | ncrb4777 | 9410 | ncrb4876 | 9466 | ncrb4958 |
| 9243 | ncrb4592 | 9299 | ncrb4679 | 9355 | ncrb4778 | 9411 | ncrb4877 | 9467 | ncrb4960 |
| 9244 | ncrb4593 | 9300 | ncrb4680 | 9356 | ncrb4779 | 9412 | ncrb4878 | 9468 | ncrb4961 |
| 9245 | ncrb4595 | 9301 | ncrb4681 | 9357 | ncrb4780 | 9413 | ncrb4879 | 9469 | ncrb4962 |
| 9246 | ncrb4596 | 9302 | ncrb4685 | 9358 | ncrb4781 | 9414 | ncrb4880 | 9470 | ncrb4963 |
| 9247 | ncrb4597 | 9303 | ncrb4687 | 9359 | ncrb4782 | 9415 | ncrb4881 | 9471 | ncrb4965 |
| 9248 | ncrb4598 | 9304 | ncrb4691 | 9360 | ncrb4784 | 9416 | ncrb4883 | 9472 | ncrb4966 |
| 9249 | ncrb4600 | 9305 | ncrb4693 | 9361 | ncrb4789 | 9417 | ncrb4885 | 9473 | ncrb4969 |
| 9250 | ncrb4601 | 9306 | ncrb4694 | 9362 | ncrb4790 | 9418 | ncrb4886 | 9474 | ncrb4971 |
| 9251 | ncrb4603 | 9307 | ncrb4695 | 9363 | ncrb4792 | 9419 | ncrb4887 | 9475 | ncrb4972 |
| 9252 | ncrb4605 | 9308 | ncrb4696 | 9364 | ncrb4793 | 9420 | ncrb4888 | 9476 | ncrb4973 |
| 9253 | ncrb4606 | 9309 | ncrb4697 | 9365 | ncrb4794 | 9421 | ncrb4889 | 9477 | ncrb4975 |
| 9254 | ncrb4607 | 9310 | ncrb4699 | 9366 | ncrb4795 | 9422 | ncrb4890 | 9478 | ncrb4976 |
| 9255 | ncrb4612 | 9311 | ncrb4700 | 9367 | ncrb4796 | 9423 | ncrb4891 | 9479 | ncrb4977 |
| 9256 | ncrb4613 | 9312 | ncrb4701 | 9368 | ncrb4798 | 9424 | ncrb4892 | 9480 | ncrb4979 |
| 9257 | ncrb4615 | 9313 | ncrb4703 | 9369 | ncrb4799 | 9425 | ncrb4893 | 9481 | ncrb4980 |
| 9258 | ncrb4617 | 9314 | ncrb4704 | 9370 | ncrb4800 | 9426 | ncrb4894 | 9482 | ncrb4981 |
| 9259 | ncrb4619 | 9315 | ncrb4707 | 9371 | ncrb4803 | 9427 | ncrb4899 | 9483 | ncrb4982 |
| 9260 | ncrb4620 | 9316 | ncrb4708 | 9372 | ncrb4804 | 9428 | ncrb4901 | 9484 | ncrb4983 |
| 9261 | ncrb4621 | 9317 | ncrb4709 | 9373 | ncrb4805 | 9429 | ncrb4903 | 9485 | ncrb4984 |
| 9262 | ncrb4622 | 9318 | ncrb4711 | 9374 | ncrb4807 | 9430 | ncrb4904 | 9486 | ncrb4986 |
| 9263 | ncrb4623 | 9319 | ncrb4713 | 9375 | ncrb4808 | 9431 | ncrb4905 | 9487 | ncrb4987 |
| 9264 | ncrb4627 | 9320 | ncrb4715 | 9376 | ncrb4813 | 9432 | ncrb4907 | 9488 | ncrb4988 |
| 9265 | ncrb4628 | 9321 | ncrb4717 | 9377 | ncrb4816 | 9433 | ncrb4908 | 9489 | ncrb4989 |
| 9266 | ncrb4629 | 9322 | ncrb4719 | 9378 | ncrb4817 | 9434 | ncrb4909 | 9490 | ncrb4990 |
| 9267 | ncrb4631 | 9323 | ncrb4720 | 9379 | ncrb4819 | 9435 | ncrb4911 | 9491 | ncrb4991 |
| 9268 | ncrb4632 | 9324 | ncrb4723 | 9380 | ncrb4820 | 9436 | ncrb4912 | 9492 | ncrb4992 |
| 9269 | ncrb4633 | 9325 | ncrb4724 | 9381 | ncrb4821 | 9437 | ncrb4916 | 9493 | ncrb4995 |
| 9270 | ncrb4634 | 9326 | ncrb4725 | 9382 | ncrb4823 | 9438 | ncrb4917 | 9494 | ncrb4996 |
| 9271 | ncrb4635 | 9327 | ncrb4729 | 9383 | ncrb4825 | 9439 | ncrb4918 | 9495 | ncrb4997 |
| 9272 | ncrb4636 | 9328 | ncrb4730 | 9384 | ncrb4826 | 9440 | ncrb4919 | 9496 | ncrb4999 |
| 9273 | ncrb4637 | 9329 | ncrb4731 | 9385 | ncrb4829 | 9441 | ncrb4920 | 9497 | ncrb5000 |
| 9274 | ncrb4639 | 9330 | ncrb4733 | 9386 | ncrb4832 | 9442 | ncrb4921 | 9498 | ncrb5003 |
| 9275 | ncrb4641 | 9331 | ncrb4736 | 9387 | ncrb4835 | 9443 | ncrb4923 | 9499 | ncrb5004 |
| 9276 | ncrb4643 | 9332 | ncrb4738 | 9388 | ncrb4836 | 9444 | ncrb4927 | 9500 | ncrb5005 |
| 9277 | ncrb4644 | 9333 | ncrb4741 | 9389 | ncrb4839 | 9445 | ncrb4929 | 9501 | ncrb5006 |
| 9278 | ncrb4645 | 9334 | ncrb4744 | 9390 | ncrb4840 | 9446 | ncrb4931 | 9502 | ncrb5007 |
| 9279 | ncrb4648 | 9335 | ncrb4747 | 9391 | ncrb4843 | 9447 | ncrb4932 | 9503 | ncrb5008 |
| 9280 | ncrb4650 | 9336 | ncrb4749 | 9392 | ncrb4845 | 9448 | ncrb4933 | 9504 | ncrb5011 |
| 9281 | ncrb4651 | 9337 | ncrb4751 | 9393 | ncrb4847 | 9449 | ncrb4934 | 9505 | ncrb5013 |
| 9282 | ncrb4652 | 9338 | ncrb4753 | 9394 | ncrb4849 | 9450 | ncrb4935 | 9506 | ncrb5015 |
| 9283 | ncrb4653 | 9339 | ncrb4754 | 9395 | ncrb4850 | 9451 | ncrb4936 | 9507 | ncrb5016 |
| 9284 | ncrb4656 | 9340 | ncrb4756 | 9396 | ncrb4852 | 9452 | ncrb4938 | 9508 | ncrb5017 |
| 9285 | ncrb4659 | 9341 | ncrb4757 | 9397 | ncrb4853 | 9453 | ncrb4939 | 9509 | ncrb5018 |
| 9286 | ncrb4660 | 9342 | ncrb4760 | 9398 | ncrb4856 | 9454 | ncrb4941 | 9510 | ncrb5019 |
| 9287 | ncrb4661 | 9343 | ncrb4761 | 9399 | ncrb4857 | 9455 | ncrb4943 | 9511 | ncrb5020 |
| 9288 | ncrb4662 | 9344 | ncrb4762 | 9400 | ncrb4859 | 9456 | ncrb4944 | 9512 | ncrb5021 |
| 9289 | ncrb4663 | 9345 | ncrb4763 | 9401 | ncrb4861 | 9457 | ncrb4945 | 9513 | ncrb5023 |
| 9290 | ncrb4667 | 9346 | ncrb4764 | 9402 | ncrb4865 | 9458 | ncrb4946 | 9514 | ncrb5024 |
| 9291 | ncrb4668 | 9347 | ncrb4766 | 9403 | ncrb4866 | 9459 | ncrb4948 | 9515 | ncrb5027 |
| 9292 | ncrb4669 | 9348 | ncrb4767 | 9404 | ncrb4867 | 9460 | ncrb4950 | 9516 | ncrb5028 |
| 9293 | ncrb4671 | 9349 | ncrb4768 | 9405 | ncrb4869 | 9461 | ncrb4951 | 9517 | ncrb5030 |
| 9294 | ncrb4672 | 9350 | ncrb4769 | 9406 | ncrb4870 | 9462 | ncrb4952 | 9518 | ncrb5031 |
| 9295 | ncrb4673 | 9351 | ncrb4771 | 9407 | ncrb4871 | 9463 | ncrb4953 | 9519 | ncrb5032 |
| 9296 | ncrb4675 | 9352 | ncrb4773 | 9408 | ncrb4874 | 9464 | ncrb4955 | 9520 | ncrb5035 |

Figure 6C -- Continued

| | | | | | | | | | |
|------|----------|------|----------|------|----------|------|----------|------|----------|
| 9521 | ncrb5036 | 9577 | ncrb5121 | 9633 | ncrb5197 | 9689 | ncrb5276 | 9745 | ncrb5362 |
| 9522 | ncrb5037 | 9578 | ncrb5123 | 9634 | ncrb5199 | 9690 | ncrb5277 | 9746 | ncrb5363 |
| 9523 | ncrb5039 | 9579 | ncrb5124 | 9635 | ncrb5200 | 9691 | ncrb5279 | 9747 | ncrb5364 |
| 9524 | ncrb5040 | 9580 | ncrb5126 | 9636 | ncrb5201 | 9692 | ncrb5280 | 9748 | ncrb5368 |
| 9525 | ncrb5042 | 9581 | ncrb5128 | 9637 | ncrb5203 | 9693 | ncrb5281 | 9749 | ncrb5371 |
| 9526 | ncrb5043 | 9582 | ncrb5130 | 9638 | ncrb5204 | 9694 | ncrb5282 | 9750 | ncrb5373 |
| 9527 | ncrb5044 | 9583 | ncrb5131 | 9639 | ncrb5209 | 9695 | ncrb5283 | 9751 | ncrb5374 |
| 9528 | ncrb5045 | 9584 | ncrb5133 | 9640 | ncrb5210 | 9696 | ncrb5284 | 9752 | ncrb5375 |
| 9529 | ncrb5046 | 9585 | ncrb5135 | 9641 | ncrb5211 | 9697 | ncrb5288 | 9753 | ncrb5376 |
| 9530 | ncrb5048 | 9586 | ncrb5136 | 9642 | ncrb5213 | 9698 | ncrb5289 | 9754 | ncrb5377 |
| 9531 | ncrb5049 | 9587 | ncrb5139 | 9643 | ncrb5215 | 9699 | ncrb5291 | 9755 | ncrb5378 |
| 9532 | ncrb5050 | 9588 | ncrb5140 | 9644 | ncrb5216 | 9700 | ncrb5292 | 9756 | ncrb5379 |
| 9533 | ncrb5051 | 9589 | ncrb5141 | 9645 | ncrb5220 | 9701 | ncrb5295 | 9757 | ncrb5380 |
| 9534 | ncrb5052 | 9590 | ncrb5142 | 9646 | ncrb5222 | 9702 | ncrb5296 | 9758 | ncrb5384 |
| 9535 | ncrb5053 | 9591 | ncrb5143 | 9647 | ncrb5223 | 9703 | ncrb5297 | 9759 | ncrb5385 |
| 9536 | ncrb5055 | 9592 | ncrb5145 | 9648 | ncrb5224 | 9704 | ncrb5299 | 9760 | ncrb5388 |
| 9537 | ncrb5058 | 9593 | ncrb5146 | 9649 | ncrb5227 | 9705 | ncrb5300 | 9761 | ncrb5395 |
| 9538 | ncrb5059 | 9594 | ncrb5147 | 9650 | ncrb5228 | 9706 | ncrb5301 | 9762 | ncrb5396 |
| 9539 | ncrb5060 | 9595 | ncrb5148 | 9651 | ncrb5229 | 9707 | ncrb5303 | 9763 | ncrb5397 |
| 9540 | ncrb5062 | 9596 | ncrb5150 | 9652 | ncrb5231 | 9708 | ncrb5304 | 9764 | ncrb5399 |
| 9541 | ncrb5063 | 9597 | ncrb5151 | 9653 | ncrb5232 | 9709 | ncrb5305 | 9765 | ncrb5400 |
| 9542 | ncrb5065 | 9598 | ncrb5152 | 9654 | ncrb5233 | 9710 | ncrb5306 | 9766 | ncrb5401 |
| 9543 | ncrb5067 | 9599 | ncrb5153 | 9655 | ncrb5234 | 9711 | ncrb5307 | 9767 | ncrb5402 |
| 9544 | ncrb5068 | 9600 | ncrb5154 | 9656 | ncrb5235 | 9712 | ncrb5309 | 9768 | ncrb5403 |
| 9545 | ncrb5069 | 9601 | ncrb5155 | 9657 | ncrb5237 | 9713 | ncrb5311 | 9769 | ncrb5404 |
| 9546 | ncrb5073 | 9602 | ncrb5156 | 9658 | ncrb5238 | 9714 | ncrb5312 | 9770 | ncrb5407 |
| 9547 | ncrb5075 | 9603 | ncrb5157 | 9659 | ncrb5239 | 9715 | ncrb5315 | 9771 | ncrb5409 |
| 9548 | ncrb5076 | 9604 | ncrb5158 | 9660 | ncrb5240 | 9716 | ncrb5316 | 9772 | ncrb5411 |
| 9549 | ncrb5077 | 9605 | ncrb5159 | 9661 | ncrb5241 | 9717 | ncrb5319 | 9773 | ncrb5415 |
| 9550 | ncrb5079 | 9606 | ncrb5160 | 9662 | ncrb5242 | 9718 | ncrb5321 | 9774 | ncrb5416 |
| 9551 | ncrb5080 | 9607 | ncrb5161 | 9663 | ncrb5243 | 9719 | ncrb5322 | 9775 | ncrb5418 |
| 9552 | ncrb5083 | 9608 | ncrb5162 | 9664 | ncrb5244 | 9720 | ncrb5323 | 9776 | ncrb5420 |
| 9553 | ncrb5084 | 9609 | ncrb5163 | 9665 | ncrb5245 | 9721 | ncrb5326 | 9777 | ncrb5422 |
| 9554 | ncrb5085 | 9610 | ncrb5164 | 9666 | ncrb5246 | 9722 | ncrb5327 | 9778 | ncrb5423 |
| 9555 | ncrb5086 | 9611 | ncrb5165 | 9667 | ncrb5247 | 9723 | ncrb5328 | 9779 | ncrb5424 |
| 9556 | ncrb5088 | 9612 | ncrb5166 | 9668 | ncrb5248 | 9724 | ncrb5329 | 9780 | ncrb5425 |
| 9557 | ncrb5090 | 9613 | ncrb5168 | 9669 | ncrb5249 | 9725 | ncrb5332 | 9781 | ncrb5427 |
| 9558 | ncrb5091 | 9614 | ncrb5169 | 9670 | ncrb5250 | 9726 | ncrb5333 | 9782 | ncrb5428 |
| 9559 | ncrb5092 | 9615 | ncrb5171 | 9671 | ncrb5251 | 9727 | ncrb5335 | 9783 | ncrb5430 |
| 9560 | ncrb5094 | 9616 | ncrb5172 | 9672 | ncrb5253 | 9728 | ncrb5336 | 9784 | ncrb5431 |
| 9561 | ncrb5095 | 9617 | ncrb5173 | 9673 | ncrb5254 | 9729 | ncrb5337 | 9785 | ncrb5432 |
| 9562 | ncrb5096 | 9618 | ncrb5174 | 9674 | ncrb5255 | 9730 | ncrb5339 | 9786 | ncrb5433 |
| 9563 | ncrb5099 | 9619 | ncrb5175 | 9675 | ncrb5257 | 9731 | ncrb5340 | 9787 | ncrb5434 |
| 9564 | ncrb5100 | 9620 | ncrb5176 | 9676 | ncrb5258 | 9732 | ncrb5341 | 9788 | ncrb5437 |
| 9565 | ncrb5103 | 9621 | ncrb5179 | 9677 | ncrb5259 | 9733 | ncrb5343 | 9789 | ncrb5438 |
| 9566 | ncrb5104 | 9622 | ncrb5180 | 9678 | ncrb5260 | 9734 | ncrb5344 | 9790 | ncrb5439 |
| 9567 | ncrb5105 | 9623 | ncrb5181 | 9679 | ncrb5263 | 9735 | ncrb5345 | 9791 | ncrb5443 |
| 9568 | ncrb5107 | 9624 | ncrb5182 | 9680 | ncrb5264 | 9736 | ncrb5350 | 9792 | ncrb5445 |
| 9569 | ncrb5108 | 9625 | ncrb5183 | 9681 | ncrb5265 | 9737 | ncrb5351 | 9793 | ncrb5446 |
| 9570 | ncrb5109 | 9626 | ncrb5185 | 9682 | ncrb5267 | 9738 | ncrb5353 | 9794 | ncrb5447 |
| 9571 | ncrb5111 | 9627 | ncrb5187 | 9683 | ncrb5268 | 9739 | ncrb5354 | 9795 | ncrb5448 |
| 9572 | ncrb5112 | 9628 | ncrb5189 | 9684 | ncrb5269 | 9740 | ncrb5355 | 9796 | ncrb5449 |
| 9573 | ncrb5113 | 9629 | ncrb5192 | 9685 | ncrb5270 | 9741 | ncrb5356 | 9797 | ncrb5450 |
| 9574 | ncrb5116 | 9630 | ncrb5193 | 9686 | ncrb5271 | 9742 | ncrb5358 | 9798 | ncrb5452 |
| 9575 | ncrb5117 | 9631 | ncrb5195 | 9687 | ncrb5272 | 9743 | ncrb5360 | 9799 | ncrb5455 |
| 9576 | ncrb5119 | 9632 | ncrb5196 | 9688 | ncrb5275 | 9744 | ncrb5361 | 9800 | ncrb5458 |

Figure 6C - Continued

| | | | | | | | | | |
|------|----------|------|----------|------|----------|-------|----------|-------|----------|
| 9801 | ncrb5459 | 9857 | ncrb5548 | 9913 | ncrb5633 | 9969 | ncrb5718 | 10025 | ncrb5813 |
| 9802 | ncrb5460 | 9858 | ncrb5549 | 9914 | ncrb5634 | 9970 | ncrb5721 | 10026 | ncrb5814 |
| 9803 | ncrb5467 | 9859 | ncrb5550 | 9915 | ncrb5635 | 9971 | ncrb5722 | 10027 | ncrb5815 |
| 9804 | ncrb5468 | 9860 | ncrb5551 | 9916 | ncrb5636 | 9972 | ncrb5723 | 10028 | ncrb5816 |
| 9805 | ncrb5469 | 9861 | ncrb5555 | 9917 | ncrb5637 | 9973 | ncrb5724 | 10029 | ncrb5818 |
| 9806 | ncrb5470 | 9862 | ncrb5556 | 9918 | ncrb5638 | 9974 | ncrb5725 | 10030 | ncrb5821 |
| 9807 | ncrb5471 | 9863 | ncrb5559 | 9919 | ncrb5639 | 9975 | ncrb5726 | 10031 | ncrb5822 |
| 9808 | ncrb5476 | 9864 | ncrb5560 | 9920 | ncrb5640 | 9976 | ncrb5727 | 10032 | ncrb5824 |
| 9809 | ncrb5477 | 9865 | ncrb5565 | 9921 | ncrb5641 | 9977 | ncrb5730 | 10033 | ncrb5826 |
| 9810 | ncrb5479 | 9866 | ncrb5566 | 9922 | ncrb5642 | 9978 | ncrb5732 | 10034 | ncrb5827 |
| 9811 | ncrb5480 | 9867 | ncrb5567 | 9923 | ncrb5643 | 9979 | ncrb5733 | 10035 | ncrb5828 |
| 9812 | ncrb5483 | 9868 | ncrb5569 | 9924 | ncrb5644 | 9980 | ncrb5735 | 10036 | ncrb5829 |
| 9813 | ncrb5484 | 9869 | ncrb5570 | 9925 | ncrb5645 | 9981 | ncrb5736 | 10037 | ncrb5830 |
| 9814 | ncrb5485 | 9870 | ncrb5571 | 9926 | ncrb5646 | 9982 | ncrb5737 | 10038 | ncrb5831 |
| 9815 | ncrb5486 | 9871 | ncrb5575 | 9927 | ncrb5649 | 9983 | ncrb5738 | 10039 | ncrb5832 |
| 9816 | ncrb5487 | 9872 | ncrb5576 | 9928 | ncrb5650 | 9984 | ncrb5739 | 10040 | ncrb5834 |
| 9817 | ncrb5488 | 9873 | ncrb5578 | 9929 | ncrb5651 | 9985 | ncrb5741 | 10041 | ncrb5835 |
| 9818 | ncrb5491 | 9874 | ncrb5579 | 9930 | ncrb5653 | 9986 | ncrb5742 | 10042 | ncrb5837 |
| 9819 | ncrb5493 | 9875 | ncrb5580 | 9931 | ncrb5656 | 9987 | ncrb5743 | 10043 | ncrb5839 |
| 9820 | ncrb5496 | 9876 | ncrb5583 | 9932 | ncrb5657 | 9988 | ncrb5745 | 10044 | ncrb5840 |
| 9821 | ncrb5497 | 9877 | ncrb5584 | 9933 | ncrb5659 | 9989 | ncrb5746 | 10045 | ncrb5842 |
| 9822 | ncrb5499 | 9878 | ncrb5585 | 9934 | ncrb5660 | 9990 | ncrb5748 | 10046 | ncrb5845 |
| 9823 | ncrb5500 | 9879 | ncrb5587 | 9935 | ncrb5662 | 9991 | ncrb5749 | 10047 | ncrb5847 |
| 9824 | ncrb5503 | 9880 | ncrb5588 | 9936 | ncrb5663 | 9992 | ncrb5752 | 10048 | ncrb5853 |
| 9825 | ncrb5504 | 9881 | ncrb5591 | 9937 | ncrb5665 | 9993 | ncrb5753 | 10049 | ncrb5856 |
| 9826 | ncrb5507 | 9882 | ncrb5593 | 9938 | ncrb5666 | 9994 | ncrb5754 | 10050 | ncrb5857 |
| 9827 | ncrb5508 | 9883 | ncrb5594 | 9939 | ncrb5667 | 9995 | ncrb5755 | 10051 | ncrb5858 |
| 9828 | ncrb5509 | 9884 | ncrb5595 | 9940 | ncrb5673 | 9996 | ncrb5758 | 10052 | ncrb5859 |
| 9829 | ncrb5510 | 9885 | ncrb5596 | 9941 | ncrb5674 | 9997 | ncrb5759 | 10053 | ncrb5863 |
| 9830 | ncrb5512 | 9886 | ncrb5597 | 9942 | ncrb5676 | 9998 | ncrb5760 | 10054 | ncrb5865 |
| 9831 | ncrb5514 | 9887 | ncrb5598 | 9943 | ncrb5679 | 9999 | ncrb5762 | 10055 | ncrb5866 |
| 9832 | ncrb5517 | 9888 | ncrb5599 | 9944 | ncrb5680 | 10000 | ncrb5763 | 10056 | ncrb5867 |
| 9833 | ncrb5519 | 9889 | ncrb5600 | 9945 | ncrb5681 | 10001 | ncrb5764 | 10057 | ncrb5868 |
| 9834 | ncrb5521 | 9890 | ncrb5601 | 9946 | ncrb5683 | 10002 | ncrb5765 | 10058 | ncrb5869 |
| 9835 | ncrb5522 | 9891 | ncrb5603 | 9947 | ncrb5684 | 10003 | ncrb5766 | 10059 | ncrb5870 |
| 9836 | ncrb5523 | 9892 | ncrb5605 | 9948 | ncrb5688 | 10004 | ncrb5767 | 10060 | ncrb5871 |
| 9837 | ncrb5524 | 9893 | ncrb5607 | 9949 | ncrb5689 | 10005 | ncrb5774 | 10061 | ncrb5872 |
| 9838 | ncrb5525 | 9894 | ncrb5608 | 9950 | ncrb5692 | 10006 | ncrb5779 | 10062 | ncrb5873 |
| 9839 | ncrb5526 | 9895 | ncrb5609 | 9951 | ncrb5693 | 10007 | ncrb5780 | 10063 | ncrb5874 |
| 9840 | ncrb5527 | 9896 | ncrb5610 | 9952 | ncrb5694 | 10008 | ncrb5781 | 10064 | ncrb5876 |
| 9841 | ncrb5528 | 9897 | ncrb5611 | 9953 | ncrb5695 | 10009 | ncrb5783 | 10065 | ncrb5877 |
| 9842 | ncrb5530 | 9898 | ncrb5612 | 9954 | ncrb5696 | 10010 | ncrb5786 | 10066 | ncrb5880 |
| 9843 | ncrb5531 | 9899 | ncrb5614 | 9955 | ncrb5697 | 10011 | ncrb5788 | 10067 | ncrb5881 |
| 9844 | ncrb5532 | 9900 | ncrb5615 | 9956 | ncrb5699 | 10012 | ncrb5789 | 10068 | ncrb5883 |
| 9845 | ncrb5533 | 9901 | ncrb5616 | 9957 | ncrb5700 | 10013 | ncrb5790 | 10069 | ncrb5884 |
| 9846 | ncrb5534 | 9902 | ncrb5617 | 9958 | ncrb5701 | 10014 | ncrb5791 | 10070 | ncrb5885 |
| 9847 | ncrb5535 | 9903 | ncrb5619 | 9959 | ncrb5702 | 10015 | ncrb5792 | 10071 | ncrb5888 |
| 9848 | ncrb5536 | 9904 | ncrb5620 | 9960 | ncrb5703 | 10016 | ncrb5798 | 10072 | ncrb5889 |
| 9849 | ncrb5537 | 9905 | ncrb5622 | 9961 | ncrb5704 | 10017 | ncrb5799 | 10073 | ncrb5891 |
| 9850 | ncrb5539 | 9906 | ncrb5623 | 9962 | ncrb5705 | 10018 | ncrb5800 | 10074 | ncrb5892 |
| 9851 | ncrb5540 | 9907 | ncrb5624 | 9963 | ncrb5706 | 10019 | ncrb5802 | 10075 | ncrb5895 |
| 9852 | ncrb5543 | 9908 | ncrb5626 | 9964 | ncrb5707 | 10020 | ncrb5806 | 10076 | ncrb5896 |
| 9853 | ncrb5544 | 9909 | ncrb5628 | 9965 | ncrb5708 | 10021 | ncrb5807 | 10077 | ncrb5899 |
| 9854 | ncrb5545 | 9910 | ncrb5630 | 9966 | ncrb5712 | 10022 | ncrb5808 | 10078 | ncrb5900 |
| 9855 | ncrb5546 | 9911 | ncrb5631 | 9967 | ncrb5715 | 10023 | ncrb5811 | 10079 | ncrb5902 |
| 9856 | ncrb5547 | 9912 | ncrb5632 | 9968 | ncrb5717 | 10024 | ncrb5812 | 10080 | ncrb5904 |

Figure 6C - Continued

| | | | | | | | | | |
|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|
| 10081 | ncrb5905 | 10137 | ncrb5989 | 10193 | ncrb6076 | 10249 | ncrb6158 | 10305 | ncrb6236 |
| 10082 | ncrb5909 | 10138 | ncrb5992 | 10194 | ncrb6077 | 10250 | ncrb6159 | 10306 | ncrb6237 |
| 10083 | ncrb5911 | 10139 | ncrb5994 | 10195 | ncrb6079 | 10251 | ncrb6160 | 10307 | ncrb6238 |
| 10084 | ncrb5912 | 10140 | ncrb5995 | 10196 | ncrb6083 | 10252 | ncrb6163 | 10308 | ncrb6239 |
| 10085 | ncrb5913 | 10141 | ncrb5996 | 10197 | ncrb6084 | 10253 | ncrb6164 | 10309 | ncrb6241 |
| 10086 | ncrb5916 | 10142 | ncrb5999 | 10198 | ncrb6085 | 10254 | ncrb6167 | 10310 | ncrb6245 |
| 10087 | ncrb5917 | 10143 | ncrb6003 | 10199 | ncrb6087 | 10255 | ncrb6168 | 10311 | ncrb6248 |
| 10088 | ncrb5918 | 10144 | ncrb6004 | 10200 | ncrb6088 | 10256 | ncrb6169 | 10312 | ncrb6249 |
| 10089 | ncrb5919 | 10145 | ncrb6006 | 10201 | ncrb6089 | 10257 | ncrb6170 | 10313 | ncrb6251 |
| 10090 | ncrb5921 | 10146 | ncrb6007 | 10202 | ncrb6090 | 10258 | ncrb6172 | 10314 | ncrb6252 |
| 10091 | ncrb5922 | 10147 | ncrb6009 | 10203 | ncrb6091 | 10259 | ncrb6174 | 10315 | ncrb6254 |
| 10092 | ncrb5923 | 10148 | ncrb6010 | 10204 | ncrb6092 | 10260 | ncrb6176 | 10316 | ncrb6257 |
| 10093 | ncrb5924 | 10149 | ncrb6011 | 10205 | ncrb6095 | 10261 | ncrb6177 | 10317 | ncrb6259 |
| 10094 | ncrb5925 | 10150 | ncrb6012 | 10206 | ncrb6096 | 10262 | ncrb6179 | 10318 | ncrb6260 |
| 10095 | ncrb5929 | 10151 | ncrb6013 | 10207 | ncrb6100 | 10263 | ncrb6180 | 10319 | ncrb6261 |
| 10096 | ncrb5930 | 10152 | ncrb6014 | 10208 | ncrb6101 | 10264 | ncrb6181 | 10320 | ncrb6264 |
| 10097 | ncrb5931 | 10153 | ncrb6016 | 10209 | ncrb6102 | 10265 | ncrb6183 | 10321 | ncrb6265 |
| 10098 | ncrb5934 | 10154 | ncrb6019 | 10210 | ncrb6103 | 10266 | ncrb6184 | 10322 | ncrb6266 |
| 10099 | ncrb5936 | 10155 | ncrb6021 | 10211 | ncrb6104 | 10267 | ncrb6185 | 10323 | ncrb6267 |
| 10100 | ncrb5938 | 10156 | ncrb6023 | 10212 | ncrb6106 | 10268 | ncrb6186 | 10324 | ncrb6268 |
| 10101 | ncrb5939 | 10157 | ncrb6024 | 10213 | ncrb6107 | 10269 | ncrb6187 | 10325 | ncrb6269 |
| 10102 | ncrb5940 | 10158 | ncrb6026 | 10214 | ncrb6108 | 10270 | ncrb6188 | 10326 | ncrb6270 |
| 10103 | ncrb5941 | 10159 | ncrb6028 | 10215 | ncrb6109 | 10271 | ncrb6190 | 10327 | ncrb6271 |
| 10104 | ncrb5944 | 10160 | ncrb6029 | 10216 | ncrb6111 | 10272 | ncrb6192 | 10328 | ncrb6272 |
| 10105 | ncrb5945 | 10161 | ncrb6030 | 10217 | ncrb6112 | 10273 | ncrb6193 | 10329 | ncrb6273 |
| 10106 | ncrb5946 | 10162 | ncrb6031 | 10218 | ncrb6115 | 10274 | ncrb6195 | 10330 | ncrb6275 |
| 10107 | ncrb5947 | 10163 | ncrb6032 | 10219 | ncrb6116 | 10275 | ncrb6196 | 10331 | ncrb6277 |
| 10108 | ncrb5949 | 10164 | ncrb6034 | 10220 | ncrb6117 | 10276 | ncrb6197 | 10332 | ncrb6279 |
| 10109 | ncrb5950 | 10165 | ncrb6036 | 10221 | ncrb6119 | 10277 | ncrb6202 | 10333 | ncrb6281 |
| 10110 | ncrb5951 | 10166 | ncrb6037 | 10222 | ncrb6120 | 10278 | ncrb6203 | 10334 | ncrb6282 |
| 10111 | ncrb5952 | 10167 | ncrb6039 | 10223 | ncrb6121 | 10279 | ncrb6204 | 10335 | ncrb6284 |
| 10112 | ncrb5954 | 10168 | ncrb6040 | 10224 | ncrb6122 | 10280 | ncrb6205 | 10336 | ncrb6287 |
| 10113 | ncrb5955 | 10169 | ncrb6041 | 10225 | ncrb6123 | 10281 | ncrb6206 | 10337 | ncrb6289 |
| 10114 | ncrb5956 | 10170 | ncrb6042 | 10226 | ncrb6124 | 10282 | ncrb6208 | 10338 | ncrb6291 |
| 10115 | ncrb5959 | 10171 | ncrb6043 | 10227 | ncrb6126 | 10283 | ncrb6209 | 10339 | ncrb6292 |
| 10116 | ncrb5960 | 10172 | ncrb6044 | 10228 | ncrb6127 | 10284 | ncrb6211 | 10340 | ncrb6294 |
| 10117 | ncrb5961 | 10173 | ncrb6045 | 10229 | ncrb6128 | 10285 | ncrb6212 | 10341 | ncrb6295 |
| 10118 | ncrb5964 | 10174 | ncrb6046 | 10230 | ncrb6130 | 10286 | ncrb6213 | 10342 | ncrb6296 |
| 10119 | ncrb5965 | 10175 | ncrb6048 | 10231 | ncrb6131 | 10287 | ncrb6214 | 10343 | ncrb6297 |
| 10120 | ncrb5966 | 10176 | ncrb6049 | 10232 | ncrb6135 | 10288 | ncrb6215 | 10344 | ncrb6298 |
| 10121 | ncrb5967 | 10177 | ncrb6050 | 10233 | ncrb6136 | 10289 | ncrb6216 | 10345 | ncrb6299 |
| 10122 | ncrb5971 | 10178 | ncrb6052 | 10234 | ncrb6138 | 10290 | ncrb6217 | 10346 | ncrb6300 |
| 10123 | ncrb5972 | 10179 | ncrb6056 | 10235 | ncrb6139 | 10291 | ncrb6218 | 10347 | ncrb6301 |
| 10124 | ncrb5975 | 10180 | ncrb6057 | 10236 | ncrb6140 | 10292 | ncrb6219 | 10348 | ncrb6302 |
| 10125 | ncrb5976 | 10181 | ncrb6059 | 10237 | ncrb6141 | 10293 | ncrb6220 | 10349 | ncrb6304 |
| 10126 | ncrb5977 | 10182 | ncrb6062 | 10238 | ncrb6142 | 10294 | ncrb6221 | 10350 | ncrb6306 |
| 10127 | ncrb5978 | 10183 | ncrb6064 | 10239 | ncrb6143 | 10295 | ncrb6222 | 10351 | ncrb6307 |
| 10128 | ncrb5979 | 10184 | ncrb6065 | 10240 | ncrb6144 | 10296 | ncrb6223 | 10352 | ncrb6308 |
| 10129 | ncrb5980 | 10185 | ncrb6067 | 10241 | ncrb6145 | 10297 | ncrb6224 | 10353 | ncrb6310 |
| 10130 | ncrb5981 | 10186 | ncrb6068 | 10242 | ncrb6146 | 10298 | ncrb6225 | 10354 | ncrb6313 |
| 10131 | ncrb5982 | 10187 | ncrb6069 | 10243 | ncrb6147 | 10299 | ncrb6226 | 10355 | ncrb6314 |
| 10132 | ncrb5983 | 10188 | ncrb6071 | 10244 | ncrb6148 | 10300 | ncrb6227 | 10356 | ncrb6315 |
| 10133 | ncrb5984 | 10189 | ncrb6072 | 10245 | ncrb6151 | 10301 | ncrb6228 | 10357 | ncrb6316 |
| 10134 | ncrb5985 | 10190 | ncrb6073 | 10246 | ncrb6153 | 10302 | ncrb6229 | 10358 | ncrb6317 |
| 10135 | ncrb5987 | 10191 | ncrb6074 | 10247 | ncrb6155 | 10303 | ncrb6232 | 10359 | ncrb6319 |
| 10136 | ncrb5988 | 10192 | ncrb6075 | 10248 | ncrb6157 | 10304 | ncrb6234 | 10360 | ncrb6320 |

Figure 6C – Continued

| | | | | | | | | | |
|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|
| 10361 | ncrb6321 | 10417 | ncrb6427 | 10473 | ncrb6507 | 10529 | ncrb6592 | 10585 | ncrb6691 |
| 10362 | ncrb6323 | 10418 | ncrb6429 | 10474 | ncrb6508 | 10530 | ncrb6593 | 10586 | ncrb6693 |
| 10363 | ncrb6324 | 10419 | ncrb6431 | 10475 | ncrb6509 | 10531 | ncrb6596 | 10587 | ncrb6694 |
| 10364 | ncrb6325 | 10420 | ncrb6432 | 10476 | ncrb6511 | 10532 | ncrb6597 | 10588 | ncrb6695 |
| 10365 | ncrb6327 | 10421 | ncrb6433 | 10477 | ncrb6513 | 10533 | ncrb6598 | 10589 | ncrb6696 |
| 10366 | ncrb6328 | 10422 | ncrb6434 | 10478 | ncrb6514 | 10534 | ncrb6599 | 10590 | ncrb6697 |
| 10367 | ncrb6330 | 10423 | ncrb6435 | 10479 | ncrb6515 | 10535 | ncrb6600 | 10591 | ncrb6698 |
| 10368 | ncrb6331 | 10424 | ncrb6436 | 10480 | ncrb6517 | 10536 | ncrb6602 | 10592 | ncrb6699 |
| 10369 | ncrb6332 | 10425 | ncrb6439 | 10481 | ncrb6520 | 10537 | ncrb6603 | 10593 | ncrb6700 |
| 10370 | ncrb6333 | 10426 | ncrb6440 | 10482 | ncrb6521 | 10538 | ncrb6604 | 10594 | ncrb6701 |
| 10371 | ncrb6334 | 10427 | ncrb6441 | 10483 | ncrb6524 | 10539 | ncrb6605 | 10595 | ncrb6703 |
| 10372 | ncrb6335 | 10428 | ncrb6443 | 10484 | ncrb6526 | 10540 | ncrb6607 | 10596 | ncrb6704 |
| 10373 | ncrb6337 | 10429 | ncrb6444 | 10485 | ncrb6528 | 10541 | ncrb6609 | 10597 | ncrb6708 |
| 10374 | ncrb6338 | 10430 | ncrb6445 | 10486 | ncrb6530 | 10542 | ncrb6611 | 10598 | ncrb6714 |
| 10375 | ncrb6347 | 10431 | ncrb6446 | 10487 | ncrb6532 | 10543 | ncrb6612 | 10599 | ncrb6715 |
| 10376 | ncrb6350 | 10432 | ncrb6448 | 10488 | ncrb6535 | 10544 | ncrb6615 | 10600 | ncrb6716 |
| 10377 | ncrb6353 | 10433 | ncrb6449 | 10489 | ncrb6540 | 10545 | ncrb6616 | 10601 | ncrb6717 |
| 10378 | ncrb6355 | 10434 | ncrb6452 | 10490 | ncrb6542 | 10546 | ncrb6617 | 10602 | ncrb6718 |
| 10379 | ncrb6357 | 10435 | ncrb6453 | 10491 | ncrb6543 | 10547 | ncrb6618 | 10603 | ncrb6720 |
| 10380 | ncrb6359 | 10436 | ncrb6455 | 10492 | ncrb6545 | 10548 | ncrb6620 | 10604 | ncrb6721 |
| 10381 | ncrb6360 | 10437 | ncrb6456 | 10493 | ncrb6547 | 10549 | ncrb6621 | 10605 | ncrb6723 |
| 10382 | ncrb6361 | 10438 | ncrb6457 | 10494 | ncrb6548 | 10550 | ncrb6622 | 10606 | ncrb6724 |
| 10383 | ncrb6362 | 10439 | ncrb6459 | 10495 | ncrb6549 | 10551 | ncrb6624 | 10607 | ncrb6726 |
| 10384 | ncrb6363 | 10440 | ncrb6460 | 10496 | ncrb6551 | 10552 | ncrb6626 | 10608 | ncrb6727 |
| 10385 | ncrb6365 | 10441 | ncrb6461 | 10497 | ncrb6552 | 10553 | ncrb6628 | 10609 | ncrb6729 |
| 10386 | ncrb6366 | 10442 | ncrb6462 | 10498 | ncrb6553 | 10554 | ncrb6632 | 10610 | ncrb6730 |
| 10387 | ncrb6367 | 10443 | ncrb6464 | 10499 | ncrb6554 | 10555 | ncrb6635 | 10611 | ncrb6732 |
| 10388 | ncrb6368 | 10444 | ncrb6465 | 10500 | ncrb6555 | 10556 | ncrb6636 | 10612 | ncrb6733 |
| 10389 | ncrb6369 | 10445 | ncrb6467 | 10501 | ncrb6557 | 10557 | ncrb6637 | 10613 | ncrb6735 |
| 10390 | ncrb6371 | 10446 | ncrb6468 | 10502 | ncrb6559 | 10558 | ncrb6639 | 10614 | ncrb6736 |
| 10391 | ncrb6372 | 10447 | ncrb6469 | 10503 | ncrb6560 | 10559 | ncrb6640 | 10615 | ncrb6737 |
| 10392 | ncrb6375 | 10448 | ncrb6471 | 10504 | ncrb6561 | 10560 | ncrb6641 | 10616 | ncrb6739 |
| 10393 | ncrb6377 | 10449 | ncrb6472 | 10505 | ncrb6563 | 10561 | ncrb6644 | 10617 | ncrb6740 |
| 10394 | ncrb6378 | 10450 | ncrb6473 | 10506 | ncrb6564 | 10562 | ncrb6647 | 10618 | ncrb6741 |
| 10395 | ncrb6383 | 10451 | ncrb6475 | 10507 | ncrb6565 | 10563 | ncrb6648 | 10619 | ncrb6742 |
| 10396 | ncrb6385 | 10452 | ncrb6476 | 10508 | ncrb6567 | 10564 | ncrb6650 | 10620 | ncrb6743 |
| 10397 | ncrb6387 | 10453 | ncrb6480 | 10509 | ncrb6568 | 10565 | ncrb6653 | 10621 | ncrb6744 |
| 10398 | ncrb6390 | 10454 | ncrb6481 | 10510 | ncrb6569 | 10566 | ncrb6654 | 10622 | ncrb6745 |
| 10399 | ncrb6391 | 10455 | ncrb6483 | 10511 | ncrb6571 | 10567 | ncrb6655 | 10623 | ncrb6746 |
| 10400 | ncrb6393 | 10456 | ncrb6484 | 10512 | ncrb6572 | 10568 | ncrb6656 | 10624 | ncrb6748 |
| 10401 | ncrb6394 | 10457 | ncrb6485 | 10513 | ncrb6574 | 10569 | ncrb6659 | 10625 | ncrb6749 |
| 10402 | ncrb6395 | 10458 | ncrb6486 | 10514 | ncrb6575 | 10570 | ncrb6661 | 10626 | ncrb6750 |
| 10403 | ncrb6396 | 10459 | ncrb6487 | 10515 | ncrb6576 | 10571 | ncrb6663 | 10627 | ncrb6755 |
| 10404 | ncrb6397 | 10460 | ncrb6489 | 10516 | ncrb6577 | 10572 | ncrb6670 | 10628 | ncrb6756 |
| 10405 | ncrb6398 | 10461 | ncrb6491 | 10517 | ncrb6579 | 10573 | ncrb6671 | 10629 | ncrb6757 |
| 10406 | ncrb6400 | 10462 | ncrb6493 | 10518 | ncrb6581 | 10574 | ncrb6672 | 10630 | ncrb6759 |
| 10407 | ncrb6401 | 10463 | ncrb6494 | 10519 | ncrb6582 | 10575 | ncrb6675 | 10631 | ncrb6761 |
| 10408 | ncrb6403 | 10464 | ncrb6496 | 10520 | ncrb6583 | 10576 | ncrb6676 | 10632 | ncrb6762 |
| 10409 | ncrb6404 | 10465 | ncrb6497 | 10521 | ncrb6584 | 10577 | ncrb6679 | 10633 | ncrb6763 |
| 10410 | ncrb6406 | 10466 | ncrb6500 | 10522 | ncrb6585 | 10578 | ncrb6680 | 10634 | ncrb6765 |
| 10411 | ncrb6408 | 10467 | ncrb6501 | 10523 | ncrb6586 | 10579 | ncrb6682 | 10635 | ncrb6766 |
| 10412 | ncrb6412 | 10468 | ncrb6502 | 10524 | ncrb6587 | 10580 | ncrb6683 | 10636 | ncrb6767 |
| 10413 | ncrb6413 | 10469 | ncrb6503 | 10525 | ncrb6588 | 10581 | ncrb6685 | 10637 | ncrb6768 |
| 10414 | ncrb6415 | 10470 | ncrb6504 | 10526 | ncrb6589 | 10582 | ncrb6686 | 10638 | ncrb6772 |
| 10415 | ncrb6417 | 10471 | ncrb6505 | 10527 | ncrb6590 | 10583 | ncrb6688 | 10639 | ncrb6773 |
| 10416 | ncrb6426 | 10472 | ncrb6506 | 10528 | ncrb6591 | 10584 | ncrb6689 | 10640 | ncrb6774 |

Figure 6C – Continued

| | | | | | | | | | |
|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|
| 10641 | ncrb6775 | 10697 | ncrb6859 | 10753 | ncrb6944 | 10809 | ncrb7036 | 10865 | ncrb7116 |
| 10642 | ncrb6776 | 10698 | ncrb6860 | 10754 | ncrb6945 | 10810 | ncrb7037 | 10866 | ncrb7118 |
| 10643 | ncrb6777 | 10699 | ncrb6862 | 10755 | ncrb6948 | 10811 | ncrb7038 | 10867 | ncrb7119 |
| 10644 | ncrb6778 | 10700 | ncrb6863 | 10756 | ncrb6949 | 10812 | ncrb7039 | 10868 | ncrb7120 |
| 10645 | ncrb6779 | 10701 | ncrb6864 | 10757 | ncrb6953 | 10813 | ncrb7040 | 10869 | ncrb7123 |
| 10646 | ncrb6780 | 10702 | ncrb6865 | 10758 | ncrb6954 | 10814 | ncrb7041 | 10870 | ncrb7124 |
| 10647 | ncrb6782 | 10703 | ncrb6867 | 10759 | ncrb6955 | 10815 | ncrb7043 | 10871 | ncrb7125 |
| 10648 | ncrb6783 | 10704 | ncrb6869 | 10760 | ncrb6956 | 10816 | ncrb7044 | 10872 | ncrb7127 |
| 10649 | ncrb6785 | 10705 | ncrb6870 | 10761 | ncrb6958 | 10817 | ncrb7045 | 10873 | ncrb7128 |
| 10650 | ncrb6787 | 10706 | ncrb6871 | 10762 | ncrb6959 | 10818 | ncrb7048 | 10874 | ncrb7129 |
| 10651 | ncrb6788 | 10707 | ncrb6872 | 10763 | ncrb6960 | 10819 | ncrb7051 | 10875 | ncrb7132 |
| 10652 | ncrb6789 | 10708 | ncrb6875 | 10764 | ncrb6961 | 10820 | ncrb7052 | 10876 | ncrb7137 |
| 10653 | ncrb6791 | 10709 | ncrb6876 | 10765 | ncrb6963 | 10821 | ncrb7055 | 10877 | ncrb7140 |
| 10654 | ncrb6792 | 10710 | ncrb6877 | 10766 | ncrb6966 | 10822 | ncrb7056 | 10878 | ncrb7141 |
| 10655 | ncrb6793 | 10711 | ncrb6878 | 10767 | ncrb6967 | 10823 | ncrb7059 | 10879 | ncrb7144 |
| 10656 | ncrb6794 | 10712 | ncrb6880 | 10768 | ncrb6968 | 10824 | ncrb7061 | 10880 | ncrb7145 |
| 10657 | ncrb6796 | 10713 | ncrb6885 | 10769 | ncrb6969 | 10825 | ncrb7062 | 10881 | ncrb7146 |
| 10658 | ncrb6799 | 10714 | ncrb6886 | 10770 | ncrb6970 | 10826 | ncrb7063 | 10882 | ncrb7147 |
| 10659 | ncrb6800 | 10715 | ncrb6888 | 10771 | ncrb6971 | 10827 | ncrb7064 | 10883 | ncrb7150 |
| 10660 | ncrb6802 | 10716 | ncrb6889 | 10772 | ncrb6972 | 10828 | ncrb7065 | 10884 | ncrb7151 |
| 10661 | ncrb6804 | 10717 | ncrb6890 | 10773 | ncrb6974 | 10829 | ncrb7067 | 10885 | ncrb7152 |
| 10662 | ncrb6807 | 10718 | ncrb6892 | 10774 | ncrb6975 | 10830 | ncrb7068 | 10886 | ncrb7153 |
| 10663 | ncrb6808 | 10719 | ncrb6894 | 10775 | ncrb6976 | 10831 | ncrb7069 | 10887 | ncrb7155 |
| 10664 | ncrb6809 | 10720 | ncrb6895 | 10776 | ncrb6977 | 10832 | ncrb7070 | 10888 | ncrb7156 |
| 10665 | ncrb6810 | 10721 | ncrb6896 | 10777 | ncrb6979 | 10833 | ncrb7071 | 10889 | ncrb7158 |
| 10666 | ncrb6811 | 10722 | ncrb6897 | 10778 | ncrb6980 | 10834 | ncrb7072 | 10890 | ncrb7159 |
| 10667 | ncrb6812 | 10723 | ncrb6898 | 10779 | ncrb6981 | 10835 | ncrb7073 | 10891 | ncrb7160 |
| 10668 | ncrb6813 | 10724 | ncrb6899 | 10780 | ncrb6982 | 10836 | ncrb7075 | 10892 | ncrb7161 |
| 10669 | ncrb6814 | 10725 | ncrb6900 | 10781 | ncrb6984 | 10837 | ncrb7076 | 10893 | ncrb7162 |
| 10670 | ncrb6815 | 10726 | ncrb6901 | 10782 | ncrb6985 | 10838 | ncrb7077 | 10894 | ncrb7164 |
| 10671 | ncrb6816 | 10727 | ncrb6903 | 10783 | ncrb6986 | 10839 | ncrb7079 | 10895 | ncrb7165 |
| 10672 | ncrb6818 | 10728 | ncrb6904 | 10784 | ncrb6990 | 10840 | ncrb7080 | 10896 | ncrb7166 |
| 10673 | ncrb6820 | 10729 | ncrb6905 | 10785 | ncrb6991 | 10841 | ncrb7081 | 10897 | ncrb7167 |
| 10674 | ncrb6824 | 10730 | ncrb6906 | 10786 | ncrb6992 | 10842 | ncrb7082 | 10898 | ncrb7168 |
| 10675 | ncrb6825 | 10731 | ncrb6907 | 10787 | ncrb6994 | 10843 | ncrb7085 | 10899 | ncrb7169 |
| 10676 | ncrb6827 | 10732 | ncrb6910 | 10788 | ncrb6995 | 10844 | ncrb7086 | 10900 | ncrb7171 |
| 10677 | ncrb6832 | 10733 | ncrb6911 | 10789 | ncrb6996 | 10845 | ncrb7087 | 10901 | ncrb7172 |
| 10678 | ncrb6833 | 10734 | ncrb6912 | 10790 | ncrb6997 | 10846 | ncrb7088 | 10902 | ncrb7174 |
| 10679 | ncrb6836 | 10735 | ncrb6919 | 10791 | ncrb6999 | 10847 | ncrb7089 | 10903 | ncrb7176 |
| 10680 | ncrb6840 | 10736 | ncrb6922 | 10792 | ncrb7001 | 10848 | ncrb7092 | 10904 | ncrb7177 |
| 10681 | ncrb6841 | 10737 | ncrb6923 | 10793 | ncrb7003 | 10849 | ncrb7093 | 10905 | ncrb7179 |
| 10682 | ncrb6842 | 10738 | ncrb6924 | 10794 | ncrb7004 | 10850 | ncrb7095 | 10906 | ncrb7180 |
| 10683 | ncrb6843 | 10739 | ncrb6927 | 10795 | ncrb7005 | 10851 | ncrb7096 | 10907 | ncrb7181 |
| 10684 | ncrb6844 | 10740 | ncrb6928 | 10796 | ncrb7006 | 10852 | ncrb7097 | 10908 | ncrb7182 |
| 10685 | ncrb6845 | 10741 | ncrb6929 | 10797 | ncrb7007 | 10853 | ncrb7098 | 10909 | ncrb7184 |
| 10686 | ncrb6846 | 10742 | ncrb6931 | 10798 | ncrb7008 | 10854 | ncrb7099 | 10910 | ncrb7185 |
| 10687 | ncrb6847 | 10743 | ncrb6932 | 10799 | ncrb7012 | 10855 | ncrb7100 | 10911 | ncrb7187 |
| 10688 | ncrb6848 | 10744 | ncrb6933 | 10800 | ncrb7015 | 10856 | ncrb7102 | 10912 | ncrb7188 |
| 10689 | ncrb6849 | 10745 | ncrb6935 | 10801 | ncrb7016 | 10857 | ncrb7103 | 10913 | ncrb7189 |
| 10690 | ncrb6851 | 10746 | ncrb6936 | 10802 | ncrb7019 | 10858 | ncrb7104 | 10914 | ncrb7191 |
| 10691 | ncrb6852 | 10747 | ncrb6937 | 10803 | ncrb7027 | 10859 | ncrb7105 | 10915 | ncrb7192 |
| 10692 | ncrb6853 | 10748 | ncrb6938 | 10804 | ncrb7028 | 10860 | ncrb7106 | 10916 | ncrb7193 |
| 10693 | ncrb6855 | 10749 | ncrb6939 | 10805 | ncrb7031 | 10861 | ncrb7107 | 10917 | ncrb7194 |
| 10694 | ncrb6856 | 10750 | ncrb6941 | 10806 | ncrb7032 | 10862 | ncrb7111 | 10918 | ncrb7195 |
| 10695 | ncrb6857 | 10751 | ncrb6942 | 10807 | ncrb7034 | 10863 | ncrb7112 | 10919 | ncrb7196 |
| 10696 | ncrb6858 | 10752 | ncrb6943 | 10808 | ncrb7035 | 10864 | ncrb7115 | 10920 | ncrb7197 |

Figure 6C – Continued

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|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|
| 10921 | ncrb7198 | 10977 | ncrb7278 | 11033 | ncrb7375 | 11089 | ncrb7479 | 11145 | ncrb7569 |
| 10922 | ncrb7199 | 10978 | ncrb7279 | 11034 | ncrb7376 | 11090 | ncrb7480 | 11146 | ncrb7571 |
| 10923 | ncrb7200 | 10979 | ncrb7281 | 11035 | ncrb7377 | 11091 | ncrb7481 | 11147 | ncrb7572 |
| 10924 | ncrb7201 | 10980 | ncrb7282 | 11036 | ncrb7378 | 11092 | ncrb7482 | 11148 | ncrb7573 |
| 10925 | ncrb7207 | 10981 | ncrb7284 | 11037 | ncrb7379 | 11093 | ncrb7483 | 11149 | ncrb7576 |
| 10926 | ncrb7208 | 10982 | ncrb7288 | 11038 | ncrb7383 | 11094 | ncrb7490 | 11150 | ncrb7578 |
| 10927 | ncrb7209 | 10983 | ncrb7289 | 11039 | ncrb7386 | 11095 | ncrb7491 | 11151 | ncrb7580 |
| 10928 | ncrb7210 | 10984 | ncrb7290 | 11040 | ncrb7387 | 11096 | ncrb7494 | 11152 | ncrb7582 |
| 10929 | ncrb7211 | 10985 | ncrb7292 | 11041 | ncrb7388 | 11097 | ncrb7495 | 11153 | ncrb7583 |
| 10930 | ncrb7212 | 10986 | ncrb7294 | 11042 | ncrb7389 | 11098 | ncrb7497 | 11154 | ncrb7584 |
| 10931 | ncrb7214 | 10987 | ncrb7295 | 11043 | ncrb7391 | 11099 | ncrb7502 | 11155 | ncrb7585 |
| 10932 | ncrb7215 | 10988 | ncrb7297 | 11044 | ncrb7393 | 11100 | ncrb7504 | 11156 | ncrb7586 |
| 10933 | ncrb7216 | 10989 | ncrb7298 | 11045 | ncrb7394 | 11101 | ncrb7505 | 11157 | ncrb7587 |
| 10934 | ncrb7217 | 10990 | ncrb7300 | 11046 | ncrb7396 | 11102 | ncrb7507 | 11158 | ncrb7591 |
| 10935 | ncrb7220 | 10991 | ncrb7302 | 11047 | ncrb7400 | 11103 | ncrb7508 | 11159 | ncrb7599 |
| 10936 | ncrb7221 | 10992 | ncrb7303 | 11048 | ncrb7401 | 11104 | ncrb7509 | 11160 | ncrb7600 |
| 10937 | ncrb7223 | 10993 | ncrb7304 | 11049 | ncrb7403 | 11105 | ncrb7511 | 11161 | ncrb7601 |
| 10938 | ncrb7224 | 10994 | ncrb7305 | 11050 | ncrb7406 | 11106 | ncrb7512 | 11162 | ncrb7604 |
| 10939 | ncrb7225 | 10995 | ncrb7313 | 11051 | ncrb7407 | 11107 | ncrb7514 | 11163 | ncrb7605 |
| 10940 | ncrb7226 | 10996 | ncrb7315 | 11052 | ncrb7408 | 11108 | ncrb7515 | 11164 | ncrb7609 |
| 10941 | ncrb7228 | 10997 | ncrb7316 | 11053 | ncrb7411 | 11109 | ncrb7516 | 11165 | ncrb7610 |
| 10942 | ncrb7230 | 10998 | ncrb7319 | 11054 | ncrb7413 | 11110 | ncrb7519 | 11166 | ncrb7611 |
| 10943 | ncrb7231 | 10999 | ncrb7323 | 11055 | ncrb7420 | 11111 | ncrb7520 | 11167 | ncrb7612 |
| 10944 | ncrb7232 | 11000 | ncrb7324 | 11056 | ncrb7421 | 11112 | ncrb7523 | 11168 | ncrb7613 |
| 10945 | ncrb7233 | 11001 | ncrb7328 | 11057 | ncrb7422 | 11113 | ncrb7524 | 11169 | ncrb7614 |
| 10946 | ncrb7235 | 11002 | ncrb7329 | 11058 | ncrb7423 | 11114 | ncrb7525 | 11170 | ncrb7615 |
| 10947 | ncrb7236 | 11003 | ncrb7331 | 11059 | ncrb7427 | 11115 | ncrb7527 | 11171 | ncrb7616 |
| 10948 | ncrb7237 | 11004 | ncrb7336 | 11060 | ncrb7428 | 11116 | ncrb7528 | 11172 | ncrb7617 |
| 10949 | ncrb7239 | 11005 | ncrb7338 | 11061 | ncrb7429 | 11117 | ncrb7529 | 11173 | ncrb7619 |
| 10950 | ncrb7240 | 11006 | ncrb7339 | 11062 | ncrb7433 | 11118 | ncrb7531 | 11174 | ncrb7620 |
| 10951 | ncrb7241 | 11007 | ncrb7340 | 11063 | ncrb7434 | 11119 | ncrb7532 | 11175 | ncrb7621 |
| 10952 | ncrb7242 | 11008 | ncrb7342 | 11064 | ncrb7435 | 11120 | ncrb7534 | 11176 | ncrb7623 |
| 10953 | ncrb7246 | 11009 | ncrb7343 | 11065 | ncrb7436 | 11121 | ncrb7535 | 11177 | ncrb7624 |
| 10954 | ncrb7247 | 11010 | ncrb7344 | 11066 | ncrb7438 | 11122 | ncrb7536 | 11178 | ncrb7625 |
| 10955 | ncrb7248 | 11011 | ncrb7345 | 11067 | ncrb7444 | 11123 | ncrb7539 | 11179 | ncrb7626 |
| 10956 | ncrb7249 | 11012 | ncrb7347 | 11068 | ncrb7445 | 11124 | ncrb7542 | 11180 | ncrb7628 |
| 10957 | ncrb7251 | 11013 | ncrb7348 | 11069 | ncrb7446 | 11125 | ncrb7543 | 11181 | ncrb7630 |
| 10958 | ncrb7252 | 11014 | ncrb7349 | 11070 | ncrb7447 | 11126 | ncrb7544 | 11182 | ncrb7632 |
| 10959 | ncrb7253 | 11015 | ncrb7350 | 11071 | ncrb7449 | 11127 | ncrb7545 | 11183 | ncrb7633 |
| 10960 | ncrb7254 | 11016 | ncrb7351 | 11072 | ncrb7450 | 11128 | ncrb7547 | 11184 | ncrb7635 |
| 10961 | ncrb7256 | 11017 | ncrb7353 | 11073 | ncrb7451 | 11129 | ncrb7548 | 11185 | ncrb7638 |
| 10962 | ncrb7257 | 11018 | ncrb7354 | 11074 | ncrb7452 | 11130 | ncrb7549 | 11186 | ncrb7639 |
| 10963 | ncrb7258 | 11019 | ncrb7355 | 11075 | ncrb7453 | 11131 | ncrb7551 | 11187 | ncrb7640 |
| 10964 | ncrb7259 | 11020 | ncrb7356 | 11076 | ncrb7454 | 11132 | ncrb7552 | 11188 | ncrb7642 |
| 10965 | ncrb7260 | 11021 | ncrb7357 | 11077 | ncrb7456 | 11133 | ncrb7553 | 11189 | ncrb7643 |
| 10966 | ncrb7262 | 11022 | ncrb7358 | 11078 | ncrb7459 | 11134 | ncrb7555 | 11190 | ncrb7644 |
| 10967 | ncrb7264 | 11023 | ncrb7359 | 11079 | ncrb7460 | 11135 | ncrb7556 | 11191 | ncrb7647 |
| 10968 | ncrb7266 | 11024 | ncrb7362 | 11080 | ncrb7463 | 11136 | ncrb7557 | 11192 | ncrb7651 |
| 10969 | ncrb7268 | 11025 | ncrb7363 | 11081 | ncrb7465 | 11137 | ncrb7558 | 11193 | ncrb7652 |
| 10970 | ncrb7269 | 11026 | ncrb7367 | 11082 | ncrb7466 | 11138 | ncrb7560 | 11194 | ncrb7654 |
| 10971 | ncrb7270 | 11027 | ncrb7369 | 11083 | ncrb7467 | 11139 | ncrb7561 | 11195 | ncrb7655 |
| 10972 | ncrb7273 | 11028 | ncrb7370 | 11084 | ncrb7469 | 11140 | ncrb7563 | 11196 | ncrb7656 |
| 10973 | ncrb7274 | 11029 | ncrb7371 | 11085 | ncrb7471 | 11141 | ncrb7564 | 11197 | ncrb7657 |
| 10974 | ncrb7275 | 11030 | ncrb7372 | 11086 | ncrb7473 | 11142 | ncrb7565 | 11198 | ncrb7658 |
| 10975 | ncrb7276 | 11031 | ncrb7373 | 11087 | ncrb7475 | 11143 | ncrb7567 | 11199 | ncrb7659 |
| 10976 | ncrb7277 | 11032 | ncrb7374 | 11088 | ncrb7476 | 11144 | ncrb7568 | 11200 | ncrb7660 |

Figure 6C – Continued

| | | | | | | | | | |
|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|
| 11201 | ncrb7663 | 11257 | ncrb7762 | 11313 | ncrb7845 | 11369 | ncrb7933 | 11425 | ncrb8012 |
| 11202 | ncrb7665 | 11258 | ncrb7763 | 11314 | ncrb7847 | 11370 | ncrb7934 | 11426 | ncrb8015 |
| 11203 | ncrb7667 | 11259 | ncrb7767 | 11315 | ncrb7848 | 11371 | ncrb7936 | 11427 | ncrb8016 |
| 11204 | ncrb7668 | 11260 | ncrb7768 | 11316 | ncrb7850 | 11372 | ncrb7937 | 11428 | ncrb8017 |
| 11205 | ncrb7669 | 11261 | ncrb7769 | 11317 | ncrb7852 | 11373 | ncrb7939 | 11429 | ncrb8019 |
| 11206 | ncrb7671 | 11262 | ncrb7770 | 11318 | ncrb7854 | 11374 | ncrb7940 | 11430 | ncrb8021 |
| 11207 | ncrb7672 | 11263 | ncrb7771 | 11319 | ncrb7855 | 11375 | ncrb7941 | 11431 | ncrb8024 |
| 11208 | ncrb7674 | 11264 | ncrb7772 | 11320 | ncrb7856 | 11376 | ncrb7943 | 11432 | ncrb8025 |
| 11209 | ncrb7675 | 11265 | ncrb7773 | 11321 | ncrb7858 | 11377 | ncrb7944 | 11433 | ncrb8026 |
| 11210 | ncrb7676 | 11266 | ncrb7774 | 11322 | ncrb7859 | 11378 | ncrb7945 | 11434 | ncrb8027 |
| 11211 | ncrb7677 | 11267 | ncrb7775 | 11323 | ncrb7860 | 11379 | ncrb7946 | 11435 | ncrb8028 |
| 11212 | ncrb7678 | 11268 | ncrb7776 | 11324 | ncrb7861 | 11380 | ncrb7947 | 11436 | ncrb8031 |
| 11213 | ncrb7679 | 11269 | ncrb7777 | 11325 | ncrb7864 | 11381 | ncrb7948 | 11437 | ncrb8032 |
| 11214 | ncrb7680 | 11270 | ncrb7779 | 11326 | ncrb7865 | 11382 | ncrb7949 | 11438 | ncrb8034 |
| 11215 | ncrb7683 | 11271 | ncrb7780 | 11327 | ncrb7866 | 11383 | ncrb7950 | 11439 | ncrb8035 |
| 11216 | ncrb7684 | 11272 | ncrb7783 | 11328 | ncrb7867 | 11384 | ncrb7951 | 11440 | ncrb8039 |
| 11217 | ncrb7686 | 11273 | ncrb7784 | 11329 | ncrb7869 | 11385 | ncrb7952 | 11441 | ncrb8040 |
| 11218 | ncrb7687 | 11274 | ncrb7787 | 11330 | ncrb7871 | 11386 | ncrb7953 | 11442 | ncrb8042 |
| 11219 | ncrb7690 | 11275 | ncrb7788 | 11331 | ncrb7872 | 11387 | ncrb7954 | 11443 | ncrb8043 |
| 11220 | ncrb7692 | 11276 | ncrb7792 | 11332 | ncrb7873 | 11388 | ncrb7955 | 11444 | ncrb8044 |
| 11221 | ncrb7694 | 11277 | ncrb7793 | 11333 | ncrb7874 | 11389 | ncrb7956 | 11445 | ncrb8046 |
| 11222 | ncrb7695 | 11278 | ncrb7795 | 11334 | ncrb7877 | 11390 | ncrb7959 | 11446 | ncrb8047 |
| 11223 | ncrb7696 | 11279 | ncrb7796 | 11335 | ncrb7879 | 11391 | ncrb7960 | 11447 | ncrb8048 |
| 11224 | ncrb7699 | 11280 | ncrb7797 | 11336 | ncrb7880 | 11392 | ncrb7961 | 11448 | ncrb8050 |
| 11225 | ncrb7703 | 11281 | ncrb7799 | 11337 | ncrb7882 | 11393 | ncrb7962 | 11449 | ncrb8051 |
| 11226 | ncrb7704 | 11282 | ncrb7800 | 11338 | ncrb7884 | 11394 | ncrb7964 | 11450 | ncrb8052 |
| 11227 | ncrb7706 | 11283 | ncrb7801 | 11339 | ncrb7886 | 11395 | ncrb7965 | 11451 | ncrb8053 |
| 11228 | ncrb7711 | 11284 | ncrb7802 | 11340 | ncrb7887 | 11396 | ncrb7966 | 11452 | ncrb8056 |
| 11229 | ncrb7713 | 11285 | ncrb7803 | 11341 | ncrb7888 | 11397 | ncrb7967 | 11453 | ncrb8059 |
| 11230 | ncrb7715 | 11286 | ncrb7804 | 11342 | ncrb7889 | 11398 | ncrb7968 | 11454 | ncrb8060 |
| 11231 | ncrb7716 | 11287 | ncrb7805 | 11343 | ncrb7891 | 11399 | ncrb7969 | 11455 | ncrb8062 |
| 11232 | ncrb7717 | 11288 | ncrb7806 | 11344 | ncrb7892 | 11400 | ncrb7970 | 11456 | ncrb8063 |
| 11233 | ncrb7719 | 11289 | ncrb7811 | 11345 | ncrb7895 | 11401 | ncrb7971 | 11457 | ncrb8064 |
| 11234 | ncrb7721 | 11290 | ncrb7812 | 11346 | ncrb7897 | 11402 | ncrb7972 | 11458 | ncrb8065 |
| 11235 | ncrb7726 | 11291 | ncrb7813 | 11347 | ncrb7898 | 11403 | ncrb7975 | 11459 | ncrb8066 |
| 11236 | ncrb7727 | 11292 | ncrb7816 | 11348 | ncrb7899 | 11404 | ncrb7977 | 11460 | ncrb8067 |
| 11237 | ncrb7728 | 11293 | ncrb7818 | 11349 | ncrb7900 | 11405 | ncrb7978 | 11461 | ncrb8071 |
| 11238 | ncrb7729 | 11294 | ncrb7819 | 11350 | ncrb7902 | 11406 | ncrb7980 | 11462 | ncrb8072 |
| 11239 | ncrb7732 | 11295 | ncrb7820 | 11351 | ncrb7903 | 11407 | ncrb7982 | 11463 | ncrb8075 |
| 11240 | ncrb7737 | 11296 | ncrb7821 | 11352 | ncrb7905 | 11408 | ncrb7983 | 11464 | ncrb8076 |
| 11241 | ncrb7738 | 11297 | ncrb7822 | 11353 | ncrb7911 | 11409 | ncrb7985 | 11465 | ncrb8079 |
| 11242 | ncrb7740 | 11298 | ncrb7823 | 11354 | ncrb7912 | 11410 | ncrb7987 | 11466 | ncrb8080 |
| 11243 | ncrb7745 | 11299 | ncrb7824 | 11355 | ncrb7914 | 11411 | ncrb7989 | 11467 | ncrb8083 |
| 11244 | ncrb7746 | 11300 | ncrb7825 | 11356 | ncrb7915 | 11412 | ncrb7991 | 11468 | ncrb8084 |
| 11245 | ncrb7747 | 11301 | ncrb7827 | 11357 | ncrb7916 | 11413 | ncrb7993 | 11469 | ncrb8085 |
| 11246 | ncrb7748 | 11302 | ncrb7828 | 11358 | ncrb7918 | 11414 | ncrb7994 | 11470 | ncrb8087 |
| 11247 | ncrb7749 | 11303 | ncrb7829 | 11359 | ncrb7919 | 11415 | ncrb7995 | 11471 | ncrb8088 |
| 11248 | ncrb7750 | 11304 | ncrb7830 | 11360 | ncrb7920 | 11416 | ncrb7998 | 11472 | ncrb8090 |
| 11249 | ncrb7752 | 11305 | ncrb7834 | 11361 | ncrb7921 | 11417 | ncrb8000 | 11473 | ncrb8091 |
| 11250 | ncrb7753 | 11306 | ncrb7836 | 11362 | ncrb7924 | 11418 | ncrb8001 | 11474 | ncrb8093 |
| 11251 | ncrb7754 | 11307 | ncrb7839 | 11363 | ncrb7925 | 11419 | ncrb8003 | 11475 | ncrb8094 |
| 11252 | ncrb7755 | 11308 | ncrb7840 | 11364 | ncrb7928 | 11420 | ncrb8004 | 11476 | ncrb8095 |
| 11253 | ncrb7756 | 11309 | ncrb7841 | 11365 | ncrb7929 | 11421 | ncrb8005 | 11477 | ncrb8097 |
| 11254 | ncrb7757 | 11310 | ncrb7842 | 11366 | ncrb7930 | 11422 | ncrb8007 | 11478 | ncrb8099 |
| 11255 | ncrb7758 | 11311 | ncrb7843 | 11367 | ncrb7931 | 11423 | ncrb8008 | 11479 | ncrb8101 |
| 11256 | ncrb7759 | 11312 | ncrb7844 | 11368 | ncrb7932 | 11424 | ncrb8010 | 11480 | ncrb8102 |

Figure 6C -- Continued

| | | | | | | | | | |
|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|
| 11481 | ncrb8103 | 11537 | ncrb8190 | 11593 | ncrb8275 | 11649 | ncrb8346 | 11705 | ncrb8427 |
| 11482 | ncrb8104 | 11538 | ncrb8191 | 11594 | ncrb8276 | 11650 | ncrb8347 | 11706 | ncrb8428 |
| 11483 | ncrb8105 | 11539 | ncrb8192 | 11595 | ncrb8277 | 11651 | ncrb8351 | 11707 | ncrb8429 |
| 11484 | ncrb8106 | 11540 | ncrb8193 | 11596 | ncrb8279 | 11652 | ncrb8352 | 11708 | ncrb8430 |
| 11485 | ncrb8107 | 11541 | ncrb8197 | 11597 | ncrb8280 | 11653 | ncrb8355 | 11709 | ncrb8431 |
| 11486 | ncrb8108 | 11542 | ncrb8200 | 11598 | ncrb8281 | 11654 | ncrb8356 | 11710 | ncrb8433 |
| 11487 | ncrb8110 | 11543 | ncrb8201 | 11599 | ncrb8282 | 11655 | ncrb8359 | 11711 | ncrb8434 |
| 11488 | ncrb8111 | 11544 | ncrb8202 | 11600 | ncrb8284 | 11656 | ncrb8360 | 11712 | ncrb8435 |
| 11489 | ncrb8112 | 11545 | ncrb8203 | 11601 | ncrb8285 | 11657 | ncrb8364 | 11713 | ncrb8436 |
| 11490 | ncrb8113 | 11546 | ncrb8204 | 11602 | ncrb8286 | 11658 | ncrb8366 | 11714 | ncrb8437 |
| 11491 | ncrb8116 | 11547 | ncrb8206 | 11603 | ncrb8288 | 11659 | ncrb8367 | 11715 | ncrb8439 |
| 11492 | ncrb8117 | 11548 | ncrb8207 | 11604 | ncrb8289 | 11660 | ncrb8368 | 11716 | ncrb8442 |
| 11493 | ncrb8120 | 11549 | ncrb8208 | 11605 | ncrb8291 | 11661 | ncrb8369 | 11717 | ncrb8443 |
| 11494 | ncrb8121 | 11550 | ncrb8214 | 11606 | ncrb8292 | 11662 | ncrb8371 | 11718 | ncrb8444 |
| 11495 | ncrb8122 | 11551 | ncrb8215 | 11607 | ncrb8293 | 11663 | ncrb8372 | 11719 | ncrb8447 |
| 11496 | ncrb8123 | 11552 | ncrb8217 | 11608 | ncrb8295 | 11664 | ncrb8375 | 11720 | ncrb8448 |
| 11497 | ncrb8124 | 11553 | ncrb8219 | 11609 | ncrb8296 | 11665 | ncrb8376 | 11721 | ncrb8451 |
| 11498 | ncrb8125 | 11554 | ncrb8220 | 11610 | ncrb8297 | 11666 | ncrb8377 | 11722 | ncrb8452 |
| 11499 | ncrb8128 | 11555 | ncrb8221 | 11611 | ncrb8300 | 11667 | ncrb8378 | 11723 | ncrb8454 |
| 11500 | ncrb8131 | 11556 | ncrb8222 | 11612 | ncrb8302 | 11668 | ncrb8379 | 11724 | ncrb8457 |
| 11501 | ncrb8132 | 11557 | ncrb8223 | 11613 | ncrb8303 | 11669 | ncrb8380 | 11725 | ncrb8458 |
| 11502 | ncrb8133 | 11558 | ncrb8224 | 11614 | ncrb8304 | 11670 | ncrb8382 | 11726 | ncrb8459 |
| 11503 | ncrb8134 | 11559 | ncrb8225 | 11615 | ncrb8307 | 11671 | ncrb8383 | 11727 | ncrb8460 |
| 11504 | ncrb8136 | 11560 | ncrb8228 | 11616 | ncrb8308 | 11672 | ncrb8384 | 11728 | ncrb8461 |
| 11505 | ncrb8137 | 11561 | ncrb8229 | 11617 | ncrb8310 | 11673 | ncrb8385 | 11729 | ncrb8462 |
| 11506 | ncrb8138 | 11562 | ncrb8230 | 11618 | ncrb8311 | 11674 | ncrb8388 | 11730 | ncrb8463 |
| 11507 | ncrb8139 | 11563 | ncrb8231 | 11619 | ncrb8313 | 11675 | ncrb8389 | 11731 | ncrb8464 |
| 11508 | ncrb8140 | 11564 | ncrb8234 | 11620 | ncrb8314 | 11676 | ncrb8391 | 11732 | ncrb8468 |
| 11509 | ncrb8141 | 11565 | ncrb8237 | 11621 | ncrb8315 | 11677 | ncrb8392 | 11733 | ncrb8469 |
| 11510 | ncrb8142 | 11566 | ncrb8238 | 11622 | ncrb8316 | 11678 | ncrb8393 | 11734 | ncrb8473 |
| 11511 | ncrb8143 | 11567 | ncrb8239 | 11623 | ncrb8317 | 11679 | ncrb8395 | 11735 | ncrb8474 |
| 11512 | ncrb8144 | 11568 | ncrb8240 | 11624 | ncrb8318 | 11680 | ncrb8396 | 11736 | ncrb8475 |
| 11513 | ncrb8145 | 11569 | ncrb8242 | 11625 | ncrb8319 | 11681 | ncrb8398 | 11737 | ncrb8476 |
| 11514 | ncrb8147 | 11570 | ncrb8243 | 11626 | ncrb8320 | 11682 | ncrb8400 | 11738 | ncrb8478 |
| 11515 | ncrb8149 | 11571 | ncrb8245 | 11627 | ncrb8321 | 11683 | ncrb8401 | 11739 | ncrb8479 |
| 11516 | ncrb8152 | 11572 | ncrb8247 | 11628 | ncrb8322 | 11684 | ncrb8403 | 11740 | ncrb8480 |
| 11517 | ncrb8153 | 11573 | ncrb8248 | 11629 | ncrb8323 | 11685 | ncrb8404 | 11741 | ncrb8481 |
| 11518 | ncrb8154 | 11574 | ncrb8249 | 11630 | ncrb8324 | 11686 | ncrb8405 | 11742 | ncrb8484 |
| 11519 | ncrb8156 | 11575 | ncrb8250 | 11631 | ncrb8325 | 11687 | ncrb8407 | 11743 | ncrb8487 |
| 11520 | ncrb8157 | 11576 | ncrb8251 | 11632 | ncrb8326 | 11688 | ncrb8408 | 11744 | ncrb8489 |
| 11521 | ncrb8159 | 11577 | ncrb8252 | 11633 | ncrb8327 | 11689 | ncrb8409 | 11745 | ncrb8490 |
| 11522 | ncrb8160 | 11578 | ncrb8253 | 11634 | ncrb8328 | 11690 | ncrb8410 | 11746 | ncrb8494 |
| 11523 | ncrb8164 | 11579 | ncrb8254 | 11635 | ncrb8329 | 11691 | ncrb8411 | 11747 | ncrb8496 |
| 11524 | ncrb8166 | 11580 | ncrb8255 | 11636 | ncrb8330 | 11692 | ncrb8412 | 11748 | ncrb8499 |
| 11525 | ncrb8167 | 11581 | ncrb8256 | 11637 | ncrb8331 | 11693 | ncrb8414 | 11749 | ncrb8500 |
| 11526 | ncrb8168 | 11582 | ncrb8258 | 11638 | ncrb8332 | 11694 | ncrb8415 | 11750 | ncrb8501 |
| 11527 | ncrb8171 | 11583 | ncrb8259 | 11639 | ncrb8333 | 11695 | ncrb8416 | 11751 | ncrb8503 |
| 11528 | ncrb8172 | 11584 | ncrb8260 | 11640 | ncrb8334 | 11696 | ncrb8417 | 11752 | ncrb8505 |
| 11529 | ncrb8176 | 11585 | ncrb8264 | 11641 | ncrb8335 | 11697 | ncrb8419 | 11753 | ncrb8506 |
| 11530 | ncrb8177 | 11586 | ncrb8265 | 11642 | ncrb8336 | 11698 | ncrb8420 | 11754 | ncrb8507 |
| 11531 | ncrb8180 | 11587 | ncrb8267 | 11643 | ncrb8337 | 11699 | ncrb8421 | 11755 | ncrb8508 |
| 11532 | ncrb8183 | 11588 | ncrb8268 | 11644 | ncrb8338 | 11700 | ncrb8422 | 11756 | ncrb8509 |
| 11533 | ncrb8185 | 11589 | ncrb8269 | 11645 | ncrb8339 | 11701 | ncrb8423 | 11757 | ncrb8510 |
| 11534 | ncrb8186 | 11590 | ncrb8271 | 11646 | ncrb8343 | 11702 | ncrb8424 | 11758 | ncrb8511 |
| 11535 | ncrb8188 | 11591 | ncrb8272 | 11647 | ncrb8344 | 11703 | ncrb8425 | 11759 | ncrb8512 |
| 11536 | ncrb8189 | 11592 | ncrb8273 | 11648 | ncrb8345 | 11704 | ncrb8426 | 11760 | ncrb8515 |

Figure 6C - Continued

| | | | | | | | | | |
|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|
| 11761 | ncrb8516 | 11817 | ncrb8607 | 11873 | ncrb8700 | 11929 | ncrb8783 | 11985 | ncrc0049 |
| 11762 | ncrb8518 | 11818 | ncrb8608 | 11874 | ncrb8701 | 11930 | ncrb8785 | 11986 | ncrc0051 |
| 11763 | ncrb8519 | 11819 | ncrb8609 | 11875 | ncrb8702 | 11931 | ncrb8788 | 11987 | ncrc0052 |
| 11764 | ncrb8522 | 11820 | ncrb8611 | 11876 | ncrb8703 | 11932 | ncrb8790 | 11988 | ncrc0053 |
| 11765 | ncrb8524 | 11821 | ncrb8614 | 11877 | ncrb8704 | 11933 | ncrb8791 | 11989 | ncrc0054 |
| 11766 | ncrb8525 | 11822 | ncrb8615 | 11878 | ncrb8705 | 11934 | ncrb8792 | 11990 | ncrc0055 |
| 11767 | ncrb8526 | 11823 | ncrb8617 | 11879 | ncrb8707 | 11935 | ncrb8793 | 11991 | ncrc0056 |
| 11768 | ncrb8527 | 11824 | ncrb8618 | 11880 | ncrb8708 | 11936 | ncrb8794 | 11992 | ncrc0057 |
| 11769 | ncrb8528 | 11825 | ncrb8619 | 11881 | ncrb8709 | 11937 | ncrb8795 | 11993 | ncrc0058 |
| 11770 | ncrb8529 | 11826 | ncrb8621 | 11882 | ncrb8711 | 11938 | ncrb8797 | 11994 | ncrc0059 |
| 11771 | ncrb8530 | 11827 | ncrb8622 | 11883 | ncrb8712 | 11939 | ncrb8800 | 11995 | ncrc0060 |
| 11772 | ncrb8531 | 11828 | ncrb8623 | 11884 | ncrb8713 | 11940 | ncrb8802 | 11996 | ncrc0061 |
| 11773 | ncrb8533 | 11829 | ncrb8624 | 11885 | ncrb8714 | 11941 | ncrb8803 | 11997 | ncrc0064 |
| 11774 | ncrb8535 | 11830 | ncrb8626 | 11886 | ncrb8715 | 11942 | ncrb8804 | 11998 | ncrc0065 |
| 11775 | ncrb8537 | 11831 | ncrb8627 | 11887 | ncrb8716 | 11943 | ncrb8807 | 11999 | ncrc0067 |
| 11776 | ncrb8538 | 11832 | ncrb8628 | 11888 | ncrb8718 | 11944 | ncrb8808 | 12000 | ncrc0069 |
| 11777 | ncrb8539 | 11833 | ncrb8629 | 11889 | ncrb8719 | 11945 | ncrb8810 | 12001 | ncrc0070 |
| 11778 | ncrb8540 | 11834 | ncrb8631 | 11890 | ncrb8720 | 11946 | ncrb8811 | 12002 | ncrc0071 |
| 11779 | ncrb8542 | 11835 | ncrb8633 | 11891 | ncrb8721 | 11947 | ncrb8813 | 12003 | ncrc0072 |
| 11780 | ncrb8543 | 11836 | ncrb8636 | 11892 | ncrb8722 | 11948 | ncrb8814 | 12004 | ncrc0073 |
| 11781 | ncrb8544 | 11837 | ncrb8638 | 11893 | ncrb8723 | 11949 | ncrb8815 | 12005 | ncrc0074 |
| 11782 | ncrb8546 | 11838 | ncrb8640 | 11894 | ncrb8724 | 11950 | ncrb8817 | 12006 | ncrc0075 |
| 11783 | ncrb8547 | 11839 | ncrb8641 | 11895 | ncrb8725 | 11951 | ncrb8818 | 12007 | ncrc0076 |
| 11784 | ncrb8549 | 11840 | ncrb8642 | 11896 | ncrb8727 | 11952 | ncrb8819 | 12008 | ncrc0077 |
| 11785 | ncrb8551 | 11841 | ncrb8646 | 11897 | ncrb8728 | 11953 | ncrb8820 | 12009 | ncrc0078 |
| 11786 | ncrb8554 | 11842 | ncrb8647 | 11898 | ncrb8729 | 11954 | ncrb8821 | 12010 | ncrc0079 |
| 11787 | ncrb8557 | 11843 | ncrb8649 | 11899 | ncrb8731 | 11955 | ncrb8823 | 12011 | ncrc0081 |
| 11788 | ncrb8558 | 11844 | ncrb8651 | 11900 | ncrb8732 | 11956 | ncrb8824 | 12012 | ncrc0083 |
| 11789 | ncrb8559 | 11845 | ncrb8653 | 11901 | ncrb8735 | 11957 | ncrb8825 | 12013 | ncrc0084 |
| 11790 | ncrb8561 | 11846 | ncrb8654 | 11902 | ncrb8737 | 11958 | ncrb8829 | 12014 | ncrc0085 |
| 11791 | ncrb8563 | 11847 | ncrb8655 | 11903 | ncrb8738 | 11959 | ncrb8830 | 12015 | ncrc0087 |
| 11792 | ncrb8564 | 11848 | ncrb8657 | 11904 | ncrb8740 | 11960 | ncrb8832 | 12016 | ncrc0090 |
| 11793 | ncrb8565 | 11849 | ncrb8661 | 11905 | ncrb8741 | 11961 | ncrc0001 | 12017 | ncrc0092 |
| 11794 | ncrb8568 | 11850 | ncrb8663 | 11906 | ncrb8743 | 11962 | ncrc0003 | 12018 | ncrc0095 |
| 11795 | ncrb8569 | 11851 | ncrb8664 | 11907 | ncrb8744 | 11963 | ncrc0004 | 12019 | ncrc0096 |
| 11796 | ncrb8570 | 11852 | ncrb8665 | 11908 | ncrb8746 | 11964 | ncrc0007 | 12020 | ncrc0097 |
| 11797 | ncrb8571 | 11853 | ncrb8666 | 11909 | ncrb8747 | 11965 | ncrc0008 | 12021 | ncrc0098 |
| 11798 | ncrb8573 | 11854 | ncrb8667 | 11910 | ncrb8751 | 11966 | ncrc0009 | 12022 | ncrc0099 |
| 11799 | ncrb8575 | 11855 | ncrb8670 | 11911 | ncrb8752 | 11967 | ncrc0011 | 12023 | ncrc0100 |
| 11800 | ncrb8576 | 11856 | ncrb8676 | 11912 | ncrb8753 | 11968 | ncrc0014 | 12024 | ncrc0101 |
| 11801 | ncrb8577 | 11857 | ncrb8678 | 11913 | ncrb8756 | 11969 | ncrc0015 | 12025 | ncrc0103 |
| 11802 | ncrb8579 | 11858 | ncrb8679 | 11914 | ncrb8757 | 11970 | ncrc0016 | 12026 | ncrc0105 |
| 11803 | ncrb8583 | 11859 | ncrb8680 | 11915 | ncrb8760 | 11971 | ncrc0017 | 12027 | ncrc0110 |
| 11804 | ncrb8585 | 11860 | ncrb8681 | 11916 | ncrb8762 | 11972 | ncrc0020 | 12028 | ncrc0111 |
| 11805 | ncrb8586 | 11861 | ncrb8682 | 11917 | ncrb8763 | 11973 | ncrc0025 | 12029 | ncrc0112 |
| 11806 | ncrb8590 | 11862 | ncrb8683 | 11918 | ncrb8764 | 11974 | ncrc0027 | 12030 | ncrc0113 |
| 11807 | ncrb8592 | 11863 | ncrb8684 | 11919 | ncrb8765 | 11975 | ncrc0028 | 12031 | ncrc0115 |
| 11808 | ncrb8593 | 11864 | ncrb8689 | 11920 | ncrb8766 | 11976 | ncrc0029 | 12032 | ncrc0116 |
| 11809 | ncrb8595 | 11865 | ncrb8691 | 11921 | ncrb8768 | 11977 | ncrc0031 | 12033 | ncrc0117 |
| 11810 | ncrb8596 | 11866 | ncrb8693 | 11922 | ncrb8769 | 11978 | ncrc0032 | 12034 | ncrc0119 |
| 11811 | ncrb8597 | 11867 | ncrb8694 | 11923 | ncrb8772 | 11979 | ncrc0033 | 12035 | ncrc0120 |
| 11812 | ncrb8599 | 11868 | ncrb8695 | 11924 | ncrb8773 | 11980 | ncrc0035 | 12036 | ncrc0126 |
| 11813 | ncrb8600 | 11869 | ncrb8696 | 11925 | ncrb8775 | 11981 | ncrc0040 | 12037 | ncrc0127 |
| 11814 | ncrb8603 | 11870 | ncrb8697 | 11926 | ncrb8776 | 11982 | ncrc0046 | 12038 | ncrc0128 |
| 11815 | ncrb8604 | 11871 | ncrb8698 | 11927 | ncrb8778 | 11983 | ncrc0047 | 12039 | ncrc0131 |
| 11816 | ncrb8605 | 11872 | ncrb8699 | 11928 | ncrb8779 | 11984 | ncrc0048 | 12040 | ncrc0133 |

Figure 6C – Continued

| | | | | | | | | | |
|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|
| 12041 | ncrc0135 | 12097 | ncrc0212 | 12153 | ncrc0292 | 12209 | ncrc0376 | 12265 | ncrc0457 |
| 12042 | ncrc0136 | 12098 | ncrc0213 | 12154 | ncrc0293 | 12210 | ncrc0377 | 12266 | ncrc0458 |
| 12043 | ncrc0137 | 12099 | ncrc0215 | 12155 | ncrc0295 | 12211 | ncrc0379 | 12267 | ncrc0461 |
| 12044 | ncrc0138 | 12100 | ncrc0216 | 12156 | ncrc0296 | 12212 | ncrc0380 | 12268 | ncrc0462 |
| 12045 | ncrc0139 | 12101 | ncrc0217 | 12157 | ncrc0297 | 12213 | ncrc0381 | 12269 | ncrc0463 |
| 12046 | ncrc0140 | 12102 | ncrc0218 | 12158 | ncrc0299 | 12214 | ncrc0383 | 12270 | ncrc0464 |
| 12047 | ncrc0142 | 12103 | ncrc0220 | 12159 | ncrc0300 | 12215 | ncrc0385 | 12271 | ncrc0467 |
| 12048 | ncrc0143 | 12104 | ncrc0222 | 12160 | ncrc0301 | 12216 | ncrc0386 | 12272 | ncrc0468 |
| 12049 | ncrc0144 | 12105 | ncrc0224 | 12161 | ncrc0303 | 12217 | ncrc0387 | 12273 | ncrc0469 |
| 12050 | ncrc0145 | 12106 | ncrc0225 | 12162 | ncrc0304 | 12218 | ncrc0388 | 12274 | ncrc0471 |
| 12051 | ncrc0147 | 12107 | ncrc0228 | 12163 | ncrc0305 | 12219 | ncrc0391 | 12275 | ncrc0472 |
| 12052 | ncrc0148 | 12108 | ncrc0233 | 12164 | ncrc0311 | 12220 | ncrc0392 | 12276 | ncrc0473 |
| 12053 | ncrc0149 | 12109 | ncrc0235 | 12165 | ncrc0312 | 12221 | ncrc0393 | 12277 | ncrc0474 |
| 12054 | ncrc0150 | 12110 | ncrc0236 | 12166 | ncrc0313 | 12222 | ncrc0397 | 12278 | ncrc0477 |
| 12055 | ncrc0151 | 12111 | ncrc0238 | 12167 | ncrc0314 | 12223 | ncrc0398 | 12279 | ncrc0478 |
| 12056 | ncrc0152 | 12112 | ncrc0240 | 12168 | ncrc0315 | 12224 | ncrc0399 | 12280 | ncrc0479 |
| 12057 | ncrc0154 | 12113 | ncrc0241 | 12169 | ncrc0317 | 12225 | ncrc0400 | 12281 | ncrc0480 |
| 12058 | ncrc0155 | 12114 | ncrc0243 | 12170 | ncrc0318 | 12226 | ncrc0401 | 12282 | ncrc0481 |
| 12059 | ncrc0156 | 12115 | ncrc0244 | 12171 | ncrc0319 | 12227 | ncrc0407 | 12283 | ncrc0482 |
| 12060 | ncrc0157 | 12116 | ncrc0246 | 12172 | ncrc0320 | 12228 | ncrc0408 | 12284 | ncrc0483 |
| 12061 | ncrc0158 | 12117 | ncrc0248 | 12173 | ncrc0321 | 12229 | ncrc0411 | 12285 | ncrc0487 |
| 12062 | ncrc0159 | 12118 | ncrc0249 | 12174 | ncrc0323 | 12230 | ncrc0413 | 12286 | ncrc0488 |
| 12063 | ncrc0160 | 12119 | ncrc0251 | 12175 | ncrc0324 | 12231 | ncrc0414 | 12287 | ncrc0489 |
| 12064 | ncrc0161 | 12120 | ncrc0252 | 12176 | ncrc0325 | 12232 | ncrc0415 | 12288 | ncrc0492 |
| 12065 | ncrc0164 | 12121 | ncrc0253 | 12177 | ncrc0327 | 12233 | ncrc0416 | 12289 | ncrc0495 |
| 12066 | ncrc0166 | 12122 | ncrc0254 | 12178 | ncrc0328 | 12234 | ncrc0417 | 12290 | ncrc0496 |
| 12067 | ncrc0167 | 12123 | ncrc0255 | 12179 | ncrc0329 | 12235 | ncrc0419 | 12291 | ncrc0497 |
| 12068 | ncrc0170 | 12124 | ncrc0256 | 12180 | ncrc0330 | 12236 | ncrc0421 | 12292 | ncrc0499 |
| 12069 | ncrc0171 | 12125 | ncrc0257 | 12181 | ncrc0331 | 12237 | ncrc0423 | 12293 | ncrc0501 |
| 12070 | ncrc0173 | 12126 | ncrc0258 | 12182 | ncrc0332 | 12238 | ncrc0424 | 12294 | ncrc0505 |
| 12071 | ncrc0174 | 12127 | ncrc0259 | 12183 | ncrc0334 | 12239 | ncrc0425 | 12295 | ncrc0506 |
| 12072 | ncrc0175 | 12128 | ncrc0260 | 12184 | ncrc0335 | 12240 | ncrc0426 | 12296 | ncrc0507 |
| 12073 | ncrc0176 | 12129 | ncrc0261 | 12185 | ncrc0336 | 12241 | ncrc0427 | 12297 | ncrc0508 |
| 12074 | ncrc0177 | 12130 | ncrc0262 | 12186 | ncrc0339 | 12242 | ncrc0431 | 12298 | ncrc0510 |
| 12075 | ncrc0178 | 12131 | ncrc0263 | 12187 | ncrc0341 | 12243 | ncrc0432 | 12299 | ncrc0511 |
| 12076 | ncrc0179 | 12132 | ncrc0266 | 12188 | ncrc0342 | 12244 | ncrc0433 | 12300 | ncrc0512 |
| 12077 | ncrc0180 | 12133 | ncrc0267 | 12189 | ncrc0343 | 12245 | ncrc0435 | 12301 | ncrc0513 |
| 12078 | ncrc0181 | 12134 | ncrc0268 | 12190 | ncrc0344 | 12246 | ncrc0436 | 12302 | ncrc0515 |
| 12079 | ncrc0183 | 12135 | ncrc0269 | 12191 | ncrc0346 | 12247 | ncrc0437 | 12303 | ncrc0516 |
| 12080 | ncrc0184 | 12136 | ncrc0270 | 12192 | ncrc0347 | 12248 | ncrc0438 | 12304 | ncrc0519 |
| 12081 | ncrc0185 | 12137 | ncrc0271 | 12193 | ncrc0351 | 12249 | ncrc0439 | 12305 | ncrc0521 |
| 12082 | ncrc0186 | 12138 | ncrc0272 | 12194 | ncrc0354 | 12250 | ncrc0440 | 12306 | ncrc0523 |
| 12083 | ncrc0187 | 12139 | ncrc0273 | 12195 | ncrc0355 | 12251 | ncrc0441 | 12307 | ncrc0524 |
| 12084 | ncrc0188 | 12140 | ncrc0275 | 12196 | ncrc0356 | 12252 | ncrc0442 | 12308 | ncrc0527 |
| 12085 | ncrc0189 | 12141 | ncrc0276 | 12197 | ncrc0357 | 12253 | ncrc0444 | 12309 | ncrc0528 |
| 12086 | ncrc0190 | 12142 | ncrc0277 | 12198 | ncrc0358 | 12254 | ncrc0445 | 12310 | ncrc0529 |
| 12087 | ncrc0191 | 12143 | ncrc0279 | 12199 | ncrc0359 | 12255 | ncrc0446 | 12311 | ncrc0531 |
| 12088 | ncrc0193 | 12144 | ncrc0281 | 12200 | ncrc0360 | 12256 | ncrc0447 | 12312 | ncrc0532 |
| 12089 | ncrc0194 | 12145 | ncrc0282 | 12201 | ncrc0361 | 12257 | ncrc0448 | 12313 | ncrc0533 |
| 12090 | ncrc0195 | 12146 | ncrc0284 | 12202 | ncrc0364 | 12258 | ncrc0449 | 12314 | ncrc0534 |
| 12091 | ncrc0199 | 12147 | ncrc0285 | 12203 | ncrc0365 | 12259 | ncrc0451 | 12315 | ncrc0535 |
| 12092 | ncrc0203 | 12148 | ncrc0286 | 12204 | ncrc0367 | 12260 | ncrc0452 | 12316 | ncrc0537 |
| 12093 | ncrc0204 | 12149 | ncrc0287 | 12205 | ncrc0368 | 12261 | ncrc0453 | 12317 | ncrc0538 |
| 12094 | ncrc0207 | 12150 | ncrc0288 | 12206 | ncrc0369 | 12262 | ncrc0454 | 12318 | ncrc0539 |
| 12095 | ncrc0209 | 12151 | ncrc0289 | 12207 | ncrc0373 | 12263 | ncrc0455 | 12319 | ncrc0540 |
| 12096 | ncrc0211 | 12152 | ncrc0290 | 12208 | ncrc0375 | 12264 | ncrc0456 | 12320 | ncrc0544 |

Figure 6C – Continued

| | | | | | | | | | |
|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|
| 12321 | ncrc0545 | 12377 | ncrc0633 | 12433 | ncrc0723 | 12489 | ncrc0807 | 12545 | ncrc0885 |
| 12322 | ncrc0547 | 12378 | ncrc0635 | 12434 | ncrc0725 | 12490 | ncrc0809 | 12546 | ncrc0889 |
| 12323 | ncrc0548 | 12379 | ncrc0636 | 12435 | ncrc0726 | 12491 | ncrc0810 | 12547 | ncrc0891 |
| 12324 | ncrc0549 | 12380 | ncrc0639 | 12436 | ncrc0728 | 12492 | ncrc0811 | 12548 | ncrc0894 |
| 12325 | ncrc0550 | 12381 | ncrc0640 | 12437 | ncrc0729 | 12493 | ncrc0813 | 12549 | ncrc0899 |
| 12326 | ncrc0551 | 12382 | ncrc0641 | 12438 | ncrc0730 | 12494 | ncrc0814 | 12550 | ncrc0900 |
| 12327 | ncrc0552 | 12383 | ncrc0643 | 12439 | ncrc0731 | 12495 | ncrc0816 | 12551 | ncrc0901 |
| 12328 | ncrc0553 | 12384 | ncrc0644 | 12440 | ncrc0732 | 12496 | ncrc0817 | 12552 | ncrc0904 |
| 12329 | ncrc0554 | 12385 | ncrc0645 | 12441 | ncrc0733 | 12497 | ncrc0819 | 12553 | ncrc0905 |
| 12330 | ncrc0555 | 12386 | ncrc0646 | 12442 | ncrc0734 | 12498 | ncrc0820 | 12554 | ncrc0906 |
| 12331 | ncrc0556 | 12387 | ncrc0647 | 12443 | ncrc0735 | 12499 | ncrc0821 | 12555 | ncrc0907 |
| 12332 | ncrc0557 | 12388 | ncrc0649 | 12444 | ncrc0737 | 12500 | ncrc0822 | 12556 | ncrc0908 |
| 12333 | ncrc0558 | 12389 | ncrc0650 | 12445 | ncrc0739 | 12501 | ncrc0823 | 12557 | ncrc0910 |
| 12334 | ncrc0561 | 12390 | ncrc0651 | 12446 | ncrc0741 | 12502 | ncrc0825 | 12558 | ncrc0912 |
| 12335 | ncrc0562 | 12391 | ncrc0653 | 12447 | ncrc0742 | 12503 | ncrc0826 | 12559 | ncrc0913 |
| 12336 | ncrc0563 | 12392 | ncrc0654 | 12448 | ncrc0743 | 12504 | ncrc0827 | 12560 | ncrc0915 |
| 12337 | ncrc0564 | 12393 | ncrc0655 | 12449 | ncrc0744 | 12505 | ncrc0828 | 12561 | ncrc0916 |
| 12338 | ncrc0568 | 12394 | ncrc0656 | 12450 | ncrc0747 | 12506 | ncrc0829 | 12562 | ncrc0917 |
| 12339 | ncrc0569 | 12395 | ncrc0658 | 12451 | ncrc0748 | 12507 | ncrc0830 | 12563 | ncrc0918 |
| 12340 | ncrc0570 | 12396 | ncrc0659 | 12452 | ncrc0749 | 12508 | ncrc0832 | 12564 | ncrc0919 |
| 12341 | ncrc0571 | 12397 | ncrc0660 | 12453 | ncrc0750 | 12509 | ncrc0835 | 12565 | ncrc0920 |
| 12342 | ncrc0572 | 12398 | ncrc0661 | 12454 | ncrc0751 | 12510 | ncrc0836 | 12566 | ncrc0922 |
| 12343 | ncrc0573 | 12399 | ncrc0663 | 12455 | ncrc0752 | 12511 | ncrc0837 | 12567 | ncrc0924 |
| 12344 | ncrc0574 | 12400 | ncrc0664 | 12456 | ncrc0753 | 12512 | ncrc0838 | 12568 | ncrc0925 |
| 12345 | ncrc0576 | 12401 | ncrc0665 | 12457 | ncrc0755 | 12513 | ncrc0839 | 12569 | ncrc0926 |
| 12346 | ncrc0579 | 12402 | ncrc0666 | 12458 | ncrc0756 | 12514 | ncrc0841 | 12570 | ncrc0928 |
| 12347 | ncrc0580 | 12403 | ncrc0667 | 12459 | ncrc0759 | 12515 | ncrc0842 | 12571 | ncrc0932 |
| 12348 | ncrc0583 | 12404 | ncrc0668 | 12460 | ncrc0763 | 12516 | ncrc0843 | 12572 | ncrc0933 |
| 12349 | ncrc0584 | 12405 | ncrc0669 | 12461 | ncrc0764 | 12517 | ncrc0844 | 12573 | ncrc0934 |
| 12350 | ncrc0585 | 12406 | ncrc0670 | 12462 | ncrc0765 | 12518 | ncrc0846 | 12574 | ncrc0936 |
| 12351 | ncrc0588 | 12407 | ncrc0671 | 12463 | ncrc0766 | 12519 | ncrc0847 | 12575 | ncrc0940 |
| 12352 | ncrc0591 | 12408 | ncrc0672 | 12464 | ncrc0767 | 12520 | ncrc0848 | 12576 | ncrc0942 |
| 12353 | ncrc0592 | 12409 | ncrc0674 | 12465 | ncrc0768 | 12521 | ncrc0849 | 12577 | ncrc0944 |
| 12354 | ncrc0595 | 12410 | ncrc0675 | 12466 | ncrc0770 | 12522 | ncrc0851 | 12578 | ncrc0945 |
| 12355 | ncrc0597 | 12411 | ncrc0676 | 12467 | ncrc0771 | 12523 | ncrc0852 | 12579 | ncrc0947 |
| 12356 | ncrc0599 | 12412 | ncrc0681 | 12468 | ncrc0774 | 12524 | ncrc0853 | 12580 | ncrc0948 |
| 12357 | ncrc0601 | 12413 | ncrc0682 | 12469 | ncrc0777 | 12525 | ncrc0855 | 12581 | ncrc0949 |
| 12358 | ncrc0602 | 12414 | ncrc0684 | 12470 | ncrc0778 | 12526 | ncrc0856 | 12582 | ncrc0951 |
| 12359 | ncrc0604 | 12415 | ncrc0688 | 12471 | ncrc0780 | 12527 | ncrc0857 | 12583 | ncrc0952 |
| 12360 | ncrc0605 | 12416 | ncrc0689 | 12472 | ncrc0783 | 12528 | ncrc0858 | 12584 | ncrc0953 |
| 12361 | ncrc0606 | 12417 | ncrc0691 | 12473 | ncrc0784 | 12529 | ncrc0860 | 12585 | ncrc0954 |
| 12362 | ncrc0608 | 12418 | ncrc0693 | 12474 | ncrc0785 | 12530 | ncrc0861 | 12586 | ncrc0955 |
| 12363 | ncrc0610 | 12419 | ncrc0695 | 12475 | ncrc0788 | 12531 | ncrc0862 | 12587 | ncrc0956 |
| 12364 | ncrc0611 | 12420 | ncrc0696 | 12476 | ncrc0792 | 12532 | ncrc0863 | 12588 | ncrc0958 |
| 12365 | ncrc0612 | 12421 | ncrc0699 | 12477 | ncrc0793 | 12533 | ncrc0864 | 12589 | ncrc0959 |
| 12366 | ncrc0614 | 12422 | ncrc0700 | 12478 | ncrc0794 | 12534 | ncrc0865 | 12590 | ncrc0960 |
| 12367 | ncrc0617 | 12423 | ncrc0701 | 12479 | ncrc0796 | 12535 | ncrc0867 | 12591 | ncrc0961 |
| 12368 | ncrc0618 | 12424 | ncrc0703 | 12480 | ncrc0797 | 12536 | ncrc0868 | 12592 | ncrc0963 |
| 12369 | ncrc0623 | 12425 | ncrc0704 | 12481 | ncrc0798 | 12537 | ncrc0871 | 12593 | ncrc0964 |
| 12370 | ncrc0624 | 12426 | ncrc0708 | 12482 | ncrc0799 | 12538 | ncrc0872 | 12594 | ncrc0965 |
| 12371 | ncrc0625 | 12427 | ncrc0709 | 12483 | ncrc0800 | 12539 | ncrc0873 | 12595 | ncrc0967 |
| 12372 | ncrc0627 | 12428 | ncrc0714 | 12484 | ncrc0801 | 12540 | ncrc0875 | 12596 | ncrc0968 |
| 12373 | ncrc0628 | 12429 | ncrc0715 | 12485 | ncrc0802 | 12541 | ncrc0876 | 12597 | ncrc0971 |
| 12374 | ncrc0629 | 12430 | ncrc0718 | 12486 | ncrc0803 | 12542 | ncrc0878 | 12598 | ncrc0972 |
| 12375 | ncrc0630 | 12431 | ncrc0720 | 12487 | ncrc0804 | 12543 | ncrc0880 | 12599 | ncrc0973 |
| 12376 | ncrc0632 | 12432 | ncrc0721 | 12488 | ncrc0805 | 12544 | ncrc0883 | 12600 | ncrc0974 |

Figure 6C - Continued

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|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|
| 12601 | ncrc0976 | 12657 | ncrc1050 | 12713 | ncrc1137 | 12769 | ncrc1226 | 12825 | ncrc1312 |
| 12602 | ncrc0980 | 12658 | ncrc1053 | 12714 | ncrc1138 | 12770 | ncrc1227 | 12826 | ncrc1316 |
| 12603 | ncrc0981 | 12659 | ncrc1055 | 12715 | ncrc1139 | 12771 | ncrc1230 | 12827 | ncrc1317 |
| 12604 | ncrc0983 | 12660 | ncrc1056 | 12716 | ncrc1140 | 12772 | ncrc1231 | 12828 | ncrc1319 |
| 12605 | ncrc0984 | 12661 | ncrc1057 | 12717 | ncrc1141 | 12773 | ncrc1233 | 12829 | ncrc1320 |
| 12606 | ncrc0985 | 12662 | ncrc1059 | 12718 | ncrc1143 | 12774 | ncrc1234 | 12830 | ncrc1321 |
| 12607 | ncrc0987 | 12663 | ncrc1060 | 12719 | ncrc1145 | 12775 | ncrc1235 | 12831 | ncrc1322 |
| 12608 | ncrc0990 | 12664 | ncrc1063 | 12720 | ncrc1146 | 12776 | ncrc1236 | 12832 | ncrc1323 |
| 12609 | ncrc0991 | 12665 | ncrc1064 | 12721 | ncrc1147 | 12777 | ncrc1237 | 12833 | ncrc1324 |
| 12610 | ncrc0992 | 12666 | ncrc1065 | 12722 | ncrc1148 | 12778 | ncrc1240 | 12834 | ncrc1325 |
| 12611 | ncrc0994 | 12667 | ncrc1067 | 12723 | ncrc1149 | 12779 | ncrc1241 | 12835 | ncrc1326 |
| 12612 | ncrc0996 | 12668 | ncrc1068 | 12724 | ncrc1150 | 12780 | ncrc1242 | 12836 | ncrc1328 |
| 12613 | ncrc0997 | 12669 | ncrc1069 | 12725 | ncrc1152 | 12781 | ncrc1243 | 12837 | ncrc1329 |
| 12614 | ncrc0999 | 12670 | ncrc1071 | 12726 | ncrc1153 | 12782 | ncrc1245 | 12838 | ncrc1330 |
| 12615 | ncrc1000 | 12671 | ncrc1072 | 12727 | ncrc1156 | 12783 | ncrc1247 | 12839 | ncrc1331 |
| 12616 | ncrc1001 | 12672 | ncrc1076 | 12728 | ncrc1160 | 12784 | ncrc1248 | 12840 | ncrc1332 |
| 12617 | ncrc1002 | 12673 | ncrc1077 | 12729 | ncrc1163 | 12785 | ncrc1250 | 12841 | ncrc1335 |
| 12618 | ncrc1003 | 12674 | ncrc1079 | 12730 | ncrc1165 | 12786 | ncrc1251 | 12842 | ncrc1336 |
| 12619 | ncrc1004 | 12675 | ncrc1080 | 12731 | ncrc1168 | 12787 | ncrc1255 | 12843 | ncrc1337 |
| 12620 | ncrc1005 | 12676 | ncrc1081 | 12732 | ncrc1169 | 12788 | ncrc1257 | 12844 | ncrc1338 |
| 12621 | ncrc1006 | 12677 | ncrc1083 | 12733 | ncrc1171 | 12789 | ncrc1259 | 12845 | ncrc1339 |
| 12622 | ncrc1007 | 12678 | ncrc1084 | 12734 | ncrc1172 | 12790 | ncrc1260 | 12846 | ncrc1341 |
| 12623 | ncrc1008 | 12679 | ncrc1085 | 12735 | ncrc1173 | 12791 | ncrc1263 | 12847 | ncrc1343 |
| 12624 | ncrc1011 | 12680 | ncrc1087 | 12736 | ncrc1175 | 12792 | ncrc1264 | 12848 | ncrc1344 |
| 12625 | ncrc1012 | 12681 | ncrc1088 | 12737 | ncrc1176 | 12793 | ncrc1265 | 12849 | ncrc1345 |
| 12626 | ncrc1013 | 12682 | ncrc1089 | 12738 | ncrc1178 | 12794 | ncrc1267 | 12850 | ncrc1349 |
| 12627 | ncrc1014 | 12683 | ncrc1092 | 12739 | ncrc1180 | 12795 | ncrc1271 | 12851 | ncrc1352 |
| 12628 | ncrc1015 | 12684 | ncrc1093 | 12740 | ncrc1182 | 12796 | ncrc1272 | 12852 | ncrc1355 |
| 12629 | ncrc1016 | 12685 | ncrc1095 | 12741 | ncrc1183 | 12797 | ncrc1274 | 12853 | ncrc1356 |
| 12630 | ncrc1017 | 12686 | ncrc1096 | 12742 | ncrc1184 | 12798 | ncrc1277 | 12854 | ncrc1357 |
| 12631 | ncrc1018 | 12687 | ncrc1097 | 12743 | ncrc1188 | 12799 | ncrc1278 | 12855 | ncrc1358 |
| 12632 | ncrc1019 | 12688 | ncrc1099 | 12744 | ncrc1192 | 12800 | ncrc1279 | 12856 | ncrc1360 |
| 12633 | ncrc1020 | 12689 | ncrc1102 | 12745 | ncrc1193 | 12801 | ncrc1280 | 12857 | ncrc1361 |
| 12634 | ncrc1021 | 12690 | ncrc1103 | 12746 | ncrc1196 | 12802 | ncrc1281 | 12858 | ncrc1363 |
| 12635 | ncrc1022 | 12691 | ncrc1105 | 12747 | ncrc1198 | 12803 | ncrc1283 | 12859 | ncrc1367 |
| 12636 | ncrc1023 | 12692 | ncrc1107 | 12748 | ncrc1199 | 12804 | ncrc1284 | 12860 | ncrc1368 |
| 12637 | ncrc1024 | 12693 | ncrc1109 | 12749 | ncrc1200 | 12805 | ncrc1285 | 12861 | ncrc1369 |
| 12638 | ncrc1025 | 12694 | ncrc1111 | 12750 | ncrc1201 | 12806 | ncrc1287 | 12862 | ncrc1371 |
| 12639 | ncrc1026 | 12695 | ncrc1112 | 12751 | ncrc1203 | 12807 | ncrc1288 | 12863 | ncrc1372 |
| 12640 | ncrc1029 | 12696 | ncrc1114 | 12752 | ncrc1204 | 12808 | ncrc1290 | 12864 | ncrc1373 |
| 12641 | ncrc1030 | 12697 | ncrc1115 | 12753 | ncrc1205 | 12809 | ncrc1292 | 12865 | ncrc1374 |
| 12642 | ncrc1031 | 12698 | ncrc1118 | 12754 | ncrc1206 | 12810 | ncrc1294 | 12866 | ncrc1376 |
| 12643 | ncrc1032 | 12699 | ncrc1119 | 12755 | ncrc1207 | 12811 | ncrc1295 | 12867 | ncrc1379 |
| 12644 | ncrc1033 | 12700 | ncrc1121 | 12756 | ncrc1208 | 12812 | ncrc1296 | 12868 | ncrc1380 |
| 12645 | ncrc1035 | 12701 | ncrc1123 | 12757 | ncrc1209 | 12813 | ncrc1297 | 12869 | ncrc1384 |
| 12646 | ncrc1036 | 12702 | ncrc1125 | 12758 | ncrc1210 | 12814 | ncrc1300 | 12870 | ncrc1386 |
| 12647 | ncrc1037 | 12703 | ncrc1126 | 12759 | ncrc1211 | 12815 | ncrc1301 | 12871 | ncrc1387 |
| 12648 | ncrc1038 | 12704 | ncrc1127 | 12760 | ncrc1212 | 12816 | ncrc1302 | 12872 | ncrc1391 |
| 12649 | ncrc1041 | 12705 | ncrc1128 | 12761 | ncrc1214 | 12817 | ncrc1304 | 12873 | ncrc1392 |
| 12650 | ncrc1042 | 12706 | ncrc1129 | 12762 | ncrc1216 | 12818 | ncrc1305 | 12874 | ncrc1393 |
| 12651 | ncrc1044 | 12707 | ncrc1130 | 12763 | ncrc1217 | 12819 | ncrc1306 | 12875 | ncrc1395 |
| 12652 | ncrc1045 | 12708 | ncrc1131 | 12764 | ncrc1219 | 12820 | ncrc1307 | 12876 | ncrc1396 |
| 12653 | ncrc1046 | 12709 | ncrc1132 | 12765 | ncrc1221 | 12821 | ncrc1308 | 12877 | ncrc1397 |
| 12654 | ncrc1047 | 12710 | ncrc1133 | 12766 | ncrc1222 | 12822 | ncrc1309 | 12878 | ncrc1398 |
| 12655 | ncrc1048 | 12711 | ncrc1134 | 12767 | ncrc1223 | 12823 | ncrc1310 | 12879 | ncrc1399 |
| 12656 | ncrc1049 | 12712 | ncrc1136 | 12768 | ncrc1224 | 12824 | ncrc1311 | 12880 | ncrc1401 |

Figure 6C – Continued

| | | | | | | | | | |
|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|
| 12881 | ncrc1402 | 12937 | ncrc1497 | 12993 | ncrc1577 | 13049 | ncrc1651 | 13105 | ncrc1748 |
| 12882 | ncrc1407 | 12938 | ncrc1498 | 12994 | ncrc1578 | 13050 | ncrc1652 | 13106 | ncrc1749 |
| 12883 | ncrc1408 | 12939 | ncrc1500 | 12995 | ncrc1580 | 13051 | ncrc1653 | 13107 | ncrc1751 |
| 12884 | ncrc1409 | 12940 | ncrc1501 | 12996 | ncrc1582 | 13052 | ncrc1657 | 13108 | ncrc1754 |
| 12885 | ncrc1411 | 12941 | ncrc1502 | 12997 | ncrc1583 | 13053 | ncrc1659 | 13109 | ncrc1756 |
| 12886 | ncrc1412 | 12942 | ncrc1503 | 12998 | ncrc1587 | 13054 | ncrc1661 | 13110 | ncrc1758 |
| 12887 | ncrc1413 | 12943 | ncrc1504 | 12999 | ncrc1588 | 13055 | ncrc1662 | 13111 | ncrc1759 |
| 12888 | ncrc1415 | 12944 | ncrc1505 | 13000 | ncrc1589 | 13056 | ncrc1663 | 13112 | ncrc1760 |
| 12889 | ncrc1416 | 12945 | ncrc1508 | 13001 | ncrc1590 | 13057 | ncrc1665 | 13113 | ncrc1761 |
| 12890 | ncrc1418 | 12946 | ncrc1509 | 13002 | ncrc1591 | 13058 | ncrc1668 | 13114 | ncrc1763 |
| 12891 | ncrc1419 | 12947 | ncrc1510 | 13003 | ncrc1592 | 13059 | ncrc1669 | 13115 | ncrc1764 |
| 12892 | ncrc1421 | 12948 | ncrc1511 | 13004 | ncrc1593 | 13060 | ncrc1671 | 13116 | ncrc1765 |
| 12893 | ncrc1423 | 12949 | ncrc1513 | 13005 | ncrc1595 | 13061 | ncrc1675 | 13117 | ncrc1767 |
| 12894 | ncrc1424 | 12950 | ncrc1515 | 13006 | ncrc1596 | 13062 | ncrc1678 | 13118 | ncrc1768 |
| 12895 | ncrc1425 | 12951 | ncrc1516 | 13007 | ncrc1597 | 13063 | ncrc1679 | 13119 | ncrc1772 |
| 12896 | ncrc1426 | 12952 | ncrc1517 | 13008 | ncrc1598 | 13064 | ncrc1680 | 13120 | ncrc1775 |
| 12897 | ncrc1428 | 12953 | ncrc1518 | 13009 | ncrc1599 | 13065 | ncrc1681 | 13121 | ncrc1776 |
| 12898 | ncrc1429 | 12954 | ncrc1519 | 13010 | ncrc1600 | 13066 | ncrc1683 | 13122 | ncrc1777 |
| 12899 | ncrc1431 | 12955 | ncrc1520 | 13011 | ncrc1602 | 13067 | ncrc1684 | 13123 | ncrc1779 |
| 12900 | ncrc1434 | 12956 | ncrc1521 | 13012 | ncrc1603 | 13068 | ncrc1687 | 13124 | ncrc1780 |
| 12901 | ncrc1436 | 12957 | ncrc1523 | 13013 | ncrc1605 | 13069 | ncrc1690 | 13125 | ncrc1783 |
| 12902 | ncrc1437 | 12958 | ncrc1524 | 13014 | ncrc1606 | 13070 | ncrc1691 | 13126 | ncrc1784 |
| 12903 | ncrc1438 | 12959 | ncrc1525 | 13015 | ncrc1607 | 13071 | ncrc1693 | 13127 | ncrc1785 |
| 12904 | ncrc1439 | 12960 | ncrc1527 | 13016 | ncrc1608 | 13072 | ncrc1694 | 13128 | ncrc1786 |
| 12905 | ncrc1441 | 12961 | ncrc1529 | 13017 | ncrc1609 | 13073 | ncrc1696 | 13129 | ncrc1787 |
| 12906 | ncrc1442 | 12962 | ncrc1530 | 13018 | ncrc1610 | 13074 | ncrc1699 | 13130 | ncrc1788 |
| 12907 | ncrc1444 | 12963 | ncrc1531 | 13019 | ncrc1611 | 13075 | ncrc1700 | 13131 | ncrc1791 |
| 12908 | ncrc1447 | 12964 | ncrc1532 | 13020 | ncrc1612 | 13076 | ncrc1701 | 13132 | ncrc1792 |
| 12909 | ncrc1449 | 12965 | ncrc1533 | 13021 | ncrc1613 | 13077 | ncrc1702 | 13133 | ncrc1795 |
| 12910 | ncrc1451 | 12966 | ncrc1535 | 13022 | ncrc1615 | 13078 | ncrc1703 | 13134 | ncrc1798 |
| 12911 | ncrc1452 | 12967 | ncrc1536 | 13023 | ncrc1616 | 13079 | ncrc1704 | 13135 | ncrc1799 |
| 12912 | ncrc1455 | 12968 | ncrc1537 | 13024 | ncrc1617 | 13080 | ncrc1706 | 13136 | ncrc1800 |
| 12913 | ncrc1456 | 12969 | ncrc1538 | 13025 | ncrc1619 | 13081 | ncrc1707 | 13137 | ncrc1801 |
| 12914 | ncrc1457 | 12970 | ncrc1540 | 13026 | ncrc1620 | 13082 | ncrc1709 | 13138 | ncrc1804 |
| 12915 | ncrc1460 | 12971 | ncrc1543 | 13027 | ncrc1621 | 13083 | ncrc1710 | 13139 | ncrc1805 |
| 12916 | ncrc1463 | 12972 | ncrc1544 | 13028 | ncrc1623 | 13084 | ncrc1711 | 13140 | ncrc1806 |
| 12917 | ncrc1465 | 12973 | ncrc1547 | 13029 | ncrc1624 | 13085 | ncrc1712 | 13141 | ncrc1807 |
| 12918 | ncrc1467 | 12974 | ncrc1549 | 13030 | ncrc1625 | 13086 | ncrc1714 | 13142 | ncrc1808 |
| 12919 | ncrc1469 | 12975 | ncrc1551 | 13031 | ncrc1627 | 13087 | ncrc1716 | 13143 | ncrc1809 |
| 12920 | ncrc1471 | 12976 | ncrc1553 | 13032 | ncrc1628 | 13088 | ncrc1717 | 13144 | ncrc1810 |
| 12921 | ncrc1472 | 12977 | ncrc1555 | 13033 | ncrc1629 | 13089 | ncrc1719 | 13145 | ncrc1811 |
| 12922 | ncrc1473 | 12978 | ncrc1556 | 13034 | ncrc1630 | 13090 | ncrc1722 | 13146 | ncrc1812 |
| 12923 | ncrc1475 | 12979 | ncrc1559 | 13035 | ncrc1631 | 13091 | ncrc1723 | 13147 | ncrc1815 |
| 12924 | ncrc1480 | 12980 | ncrc1561 | 13036 | ncrc1632 | 13092 | ncrc1724 | 13148 | ncrc1816 |
| 12925 | ncrc1481 | 12981 | ncrc1562 | 13037 | ncrc1633 | 13093 | ncrc1725 | 13149 | ncrc1817 |
| 12926 | ncrc1482 | 12982 | ncrc1563 | 13038 | ncrc1634 | 13094 | ncrc1727 | 13150 | ncrc1819 |
| 12927 | ncrc1483 | 12983 | ncrc1564 | 13039 | ncrc1635 | 13095 | ncrc1728 | 13151 | ncrc1820 |
| 12928 | ncrc1484 | 12984 | ncrc1565 | 13040 | ncrc1636 | 13096 | ncrc1735 | 13152 | ncrc1821 |
| 12929 | ncrc1486 | 12985 | ncrc1566 | 13041 | ncrc1639 | 13097 | ncrc1736 | 13153 | ncrc1824 |
| 12930 | ncrc1487 | 12986 | ncrc1567 | 13042 | ncrc1641 | 13098 | ncrc1737 | 13154 | ncrc1825 |
| 12931 | ncrc1489 | 12987 | ncrc1568 | 13043 | ncrc1643 | 13099 | ncrc1740 | 13155 | ncrc1827 |
| 12932 | ncrc1491 | 12988 | ncrc1569 | 13044 | ncrc1644 | 13100 | ncrc1742 | 13156 | ncrc1828 |
| 12933 | ncrc1492 | 12989 | ncrc1571 | 13045 | ncrc1645 | 13101 | ncrc1743 | 13157 | ncrc1831 |
| 12934 | ncrc1493 | 12990 | ncrc1572 | 13046 | ncrc1647 | 13102 | ncrc1744 | 13158 | ncrc1832 |
| 12935 | ncrc1495 | 12991 | ncrc1573 | 13047 | ncrc1648 | 13103 | ncrc1745 | 13159 | ncrc1833 |
| 12936 | ncrc1496 | 12992 | ncrc1576 | 13048 | ncrc1649 | 13104 | ncrc1747 | 13160 | ncrc1835 |

Figure 6C – Continued

| | | | | | | | | | |
|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|
| 13161 | ncrc1836 | 13217 | ncrc1914 | 13273 | ncrc2011 | 13329 | ncrc2092 | 13385 | ncrc2182 |
| 13162 | ncrc1837 | 13218 | ncrc1915 | 13274 | ncrc2013 | 13330 | ncrc2093 | 13386 | ncrc2183 |
| 13163 | ncrc1839 | 13219 | ncrc1916 | 13275 | ncrc2014 | 13331 | ncrc2096 | 13387 | ncrc2185 |
| 13164 | ncrc1843 | 13220 | ncrc1917 | 13276 | ncrc2015 | 13332 | ncrc2097 | 13388 | ncrc2186 |
| 13165 | ncrc1844 | 13221 | ncrc1918 | 13277 | ncrc2016 | 13333 | ncrc2098 | 13389 | ncrc2187 |
| 13166 | ncrc1845 | 13222 | ncrc1919 | 13278 | ncrc2017 | 13334 | ncrc2099 | 13390 | ncrc2189 |
| 13167 | ncrc1847 | 13223 | ncrc1920 | 13279 | ncrc2018 | 13335 | ncrc2103 | 13391 | ncrc2191 |
| 13168 | ncrc1848 | 13224 | ncrc1921 | 13280 | ncrc2019 | 13336 | ncrc2106 | 13392 | ncrc2192 |
| 13169 | ncrc1849 | 13225 | ncrc1923 | 13281 | ncrc2020 | 13337 | ncrc2108 | 13393 | ncrc2193 |
| 13170 | ncrc1852 | 13226 | ncrc1924 | 13282 | ncrc2024 | 13338 | ncrc2110 | 13394 | ncrc2195 |
| 13171 | ncrc1853 | 13227 | ncrc1927 | 13283 | ncrc2025 | 13339 | ncrc2111 | 13395 | ncrc2196 |
| 13172 | ncrc1854 | 13228 | ncrc1929 | 13284 | ncrc2027 | 13340 | ncrc2112 | 13396 | ncrc2199 |
| 13173 | ncrc1855 | 13229 | ncrc1937 | 13285 | ncrc2031 | 13341 | ncrc2113 | 13397 | ncrc2201 |
| 13174 | ncrc1856 | 13230 | ncrc1939 | 13286 | ncrc2035 | 13342 | ncrc2114 | 13398 | ncrc2202 |
| 13175 | ncrc1857 | 13231 | ncrc1941 | 13287 | ncrc2036 | 13343 | ncrc2119 | 13399 | ncrc2203 |
| 13176 | ncrc1859 | 13232 | ncrc1944 | 13288 | ncrc2037 | 13344 | ncrc2120 | 13400 | ncrc2204 |
| 13177 | ncrc1860 | 13233 | ncrc1945 | 13289 | ncrc2039 | 13345 | ncrc2121 | 13401 | ncrc2205 |
| 13178 | ncrc1861 | 13234 | ncrc1946 | 13290 | ncrc2040 | 13346 | ncrc2123 | 13402 | ncrc2206 |
| 13179 | ncrc1864 | 13235 | ncrc1947 | 13291 | ncrc2041 | 13347 | ncrc2124 | 13403 | ncrc2207 |
| 13180 | ncrc1867 | 13236 | ncrc1949 | 13292 | ncrc2042 | 13348 | ncrc2128 | 13404 | ncrc2208 |
| 13181 | ncrc1868 | 13237 | ncrc1951 | 13293 | ncrc2043 | 13349 | ncrc2129 | 13405 | ncrc2209 |
| 13182 | ncrc1870 | 13238 | ncrc1952 | 13294 | ncrc2044 | 13350 | ncrc2131 | 13406 | ncrc2210 |
| 13183 | ncrc1871 | 13239 | ncrc1956 | 13295 | ncrc2045 | 13351 | ncrc2132 | 13407 | ncrc2211 |
| 13184 | ncrc1872 | 13240 | ncrc1959 | 13296 | ncrc2047 | 13352 | ncrc2133 | 13408 | ncrc2215 |
| 13185 | ncrc1873 | 13241 | ncrc1960 | 13297 | ncrc2048 | 13353 | ncrc2135 | 13409 | ncrc2219 |
| 13186 | ncrc1875 | 13242 | ncrc1963 | 13298 | ncrc2049 | 13354 | ncrc2137 | 13410 | ncrc2224 |
| 13187 | ncrc1876 | 13243 | ncrc1967 | 13299 | ncrc2051 | 13355 | ncrc2139 | 13411 | ncrc2225 |
| 13188 | ncrc1877 | 13244 | ncrc1968 | 13300 | ncrc2052 | 13356 | ncrc2140 | 13412 | ncrc2227 |
| 13189 | ncrc1878 | 13245 | ncrc1969 | 13301 | ncrc2055 | 13357 | ncrc2141 | 13413 | ncrc2232 |
| 13190 | ncrc1879 | 13246 | ncrc1971 | 13302 | ncrc2056 | 13358 | ncrc2142 | 13414 | ncrc2233 |
| 13191 | ncrc1880 | 13247 | ncrc1973 | 13303 | ncrc2057 | 13359 | ncrc2144 | 13415 | ncrc2234 |
| 13192 | ncrc1881 | 13248 | ncrc1975 | 13304 | ncrc2058 | 13360 | ncrc2145 | 13416 | ncrc2235 |
| 13193 | ncrc1883 | 13249 | ncrc1976 | 13305 | ncrc2059 | 13361 | ncrc2147 | 13417 | ncrc2236 |
| 13194 | ncrc1884 | 13250 | ncrc1977 | 13306 | ncrc2060 | 13362 | ncrc2149 | 13418 | ncrc2237 |
| 13195 | ncrc1885 | 13251 | ncrc1980 | 13307 | ncrc2063 | 13363 | ncrc2151 | 13419 | ncrc2239 |
| 13196 | ncrc1886 | 13252 | ncrc1981 | 13308 | ncrc2064 | 13364 | ncrc2152 | 13420 | ncrc2240 |
| 13197 | ncrc1887 | 13253 | ncrc1982 | 13309 | ncrc2065 | 13365 | ncrc2153 | 13421 | ncrc2243 |
| 13198 | ncrc1888 | 13254 | ncrc1985 | 13310 | ncrc2067 | 13366 | ncrc2154 | 13422 | ncrc2244 |
| 13199 | ncrc1889 | 13255 | ncrc1986 | 13311 | ncrc2068 | 13367 | ncrc2155 | 13423 | ncrc2247 |
| 13200 | ncrc1891 | 13256 | ncrc1988 | 13312 | ncrc2069 | 13368 | ncrc2156 | 13424 | ncrc2248 |
| 13201 | ncrc1892 | 13257 | ncrc1989 | 13313 | ncrc2070 | 13369 | ncrc2158 | 13425 | ncrc2250 |
| 13202 | ncrc1893 | 13258 | ncrc1990 | 13314 | ncrc2071 | 13370 | ncrc2160 | 13426 | ncrc2254 |
| 13203 | ncrc1894 | 13259 | ncrc1991 | 13315 | ncrc2072 | 13371 | ncrc2161 | 13427 | ncrc2257 |
| 13204 | ncrc1896 | 13260 | ncrc1992 | 13316 | ncrc2073 | 13372 | ncrc2164 | 13428 | ncrc2259 |
| 13205 | ncrc1899 | 13261 | ncrc1993 | 13317 | ncrc2074 | 13373 | ncrc2165 | 13429 | ncrc2260 |
| 13206 | ncrc1900 | 13262 | ncrc1995 | 13318 | ncrc2075 | 13374 | ncrc2166 | 13430 | ncrc2261 |
| 13207 | ncrc1901 | 13263 | ncrc1996 | 13319 | ncrc2076 | 13375 | ncrc2168 | 13431 | ncrc2262 |
| 13208 | ncrc1902 | 13264 | ncrc1997 | 13320 | ncrc2078 | 13376 | ncrc2171 | 13432 | ncrc2265 |
| 13209 | ncrc1903 | 13265 | ncrc1999 | 13321 | ncrc2079 | 13377 | ncrc2172 | 13433 | ncrc2266 |
| 13210 | ncrc1904 | 13266 | ncrc2000 | 13322 | ncrc2080 | 13378 | ncrc2173 | 13434 | ncrc2267 |
| 13211 | ncrc1905 | 13267 | ncrc2003 | 13323 | ncrc2082 | 13379 | ncrc2175 | 13435 | ncrc2268 |
| 13212 | ncrc1906 | 13268 | ncrc2004 | 13324 | ncrc2085 | 13380 | ncrc2176 | 13436 | ncrc2270 |
| 13213 | ncrc1907 | 13269 | ncrc2005 | 13325 | ncrc2086 | 13381 | ncrc2177 | 13437 | ncrc2272 |
| 13214 | ncrc1909 | 13270 | ncrc2007 | 13326 | ncrc2087 | 13382 | ncrc2179 | 13438 | ncrc2273 |
| 13215 | ncrc1912 | 13271 | ncrc2008 | 13327 | ncrc2090 | 13383 | ncrc2180 | 13439 | ncrc2279 |
| 13216 | ncrc1913 | 13272 | ncrc2010 | 13328 | ncrc2091 | 13384 | ncrc2181 | 13440 | ncrc2280 |

Figure 6C – Continued

| | | | | | | | | | |
|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|
| 13441 | ncrc2282 | 13497 | ncrc2395 | 13553 | ncrc2483 | 13609 | ncrc2584 | 13665 | ncrc2671 |
| 13442 | ncrc2283 | 13498 | ncrc2396 | 13554 | ncrc2484 | 13610 | ncrc2585 | 13666 | ncrc2673 |
| 13443 | ncrc2284 | 13499 | ncrc2397 | 13555 | ncrc2485 | 13611 | ncrc2586 | 13667 | ncrc2674 |
| 13444 | ncrc2285 | 13500 | ncrc2400 | 13556 | ncrc2488 | 13612 | ncrc2587 | 13668 | ncrc2675 |
| 13445 | ncrc2288 | 13501 | ncrc2401 | 13557 | ncrc2490 | 13613 | ncrc2588 | 13669 | ncrc2676 |
| 13446 | ncrc2289 | 13502 | ncrc2402 | 13558 | ncrc2491 | 13614 | ncrc2590 | 13670 | ncrc2677 |
| 13447 | ncrc2290 | 13503 | ncrc2403 | 13559 | ncrc2492 | 13615 | ncrc2591 | 13671 | ncrc2680 |
| 13448 | ncrc2292 | 13504 | ncrc2404 | 13560 | ncrc2493 | 13616 | ncrc2592 | 13672 | ncrc2681 |
| 13449 | ncrc2293 | 13505 | ncrc2407 | 13561 | ncrc2495 | 13617 | ncrc2593 | 13673 | ncrc2682 |
| 13450 | ncrc2295 | 13506 | ncrc2408 | 13562 | ncrc2496 | 13618 | ncrc2595 | 13674 | ncrc2683 |
| 13451 | ncrc2298 | 13507 | ncrc2413 | 13563 | ncrc2497 | 13619 | ncrc2596 | 13675 | ncrc2685 |
| 13452 | ncrc2299 | 13508 | ncrc2415 | 13564 | ncrc2499 | 13620 | ncrc2600 | 13676 | ncrc2686 |
| 13453 | ncrc2300 | 13509 | ncrc2416 | 13565 | ncrc2500 | 13621 | ncrc2601 | 13677 | ncrc2687 |
| 13454 | ncrc2302 | 13510 | ncrc2417 | 13566 | ncrc2503 | 13622 | ncrc2603 | 13678 | ncrc2689 |
| 13455 | ncrc2303 | 13511 | ncrc2421 | 13567 | ncrc2504 | 13623 | ncrc2607 | 13679 | ncrc2690 |
| 13456 | ncrc2305 | 13512 | ncrc2423 | 13568 | ncrc2505 | 13624 | ncrc2609 | 13680 | ncrc2691 |
| 13457 | ncrc2306 | 13513 | ncrc2424 | 13569 | ncrc2507 | 13625 | ncrc2611 | 13681 | ncrc2692 |
| 13458 | ncrc2311 | 13514 | ncrc2425 | 13570 | ncrc2508 | 13626 | ncrc2612 | 13682 | ncrc2693 |
| 13459 | ncrc2313 | 13515 | ncrc2426 | 13571 | ncrc2509 | 13627 | ncrc2613 | 13683 | ncrc2695 |
| 13460 | ncrc2315 | 13516 | ncrc2427 | 13572 | ncrc2512 | 13628 | ncrc2617 | 13684 | ncrc2696 |
| 13461 | ncrc2317 | 13517 | ncrc2428 | 13573 | ncrc2513 | 13629 | ncrc2618 | 13685 | ncrc2699 |
| 13462 | ncrc2318 | 13518 | ncrc2429 | 13574 | ncrc2516 | 13630 | ncrc2619 | 13686 | ncrc2700 |
| 13463 | ncrc2319 | 13519 | ncrc2430 | 13575 | ncrc2517 | 13631 | ncrc2620 | 13687 | ncrc2701 |
| 13464 | ncrc2320 | 13520 | ncrc2432 | 13576 | ncrc2519 | 13632 | ncrc2621 | 13688 | ncrc2702 |
| 13465 | ncrc2321 | 13521 | ncrc2433 | 13577 | ncrc2521 | 13633 | ncrc2622 | 13689 | ncrc2704 |
| 13466 | ncrc2323 | 13522 | ncrc2437 | 13578 | ncrc2523 | 13634 | ncrc2625 | 13690 | ncrc2705 |
| 13467 | ncrc2324 | 13523 | ncrc2439 | 13579 | ncrc2524 | 13635 | ncrc2627 | 13691 | ncrc2708 |
| 13468 | ncrc2325 | 13524 | ncrc2440 | 13580 | ncrc2529 | 13636 | ncrc2628 | 13692 | ncrc2709 |
| 13469 | ncrc2327 | 13525 | ncrc2441 | 13581 | ncrc2531 | 13637 | ncrc2631 | 13693 | ncrc2711 |
| 13470 | ncrc2330 | 13526 | ncrc2442 | 13582 | ncrc2532 | 13638 | ncrc2632 | 13694 | ncrc2712 |
| 13471 | ncrc2333 | 13527 | ncrc2443 | 13583 | ncrc2533 | 13639 | ncrc2633 | 13695 | ncrc2713 |
| 13472 | ncrc2341 | 13528 | ncrc2444 | 13584 | ncrc2536 | 13640 | ncrc2635 | 13696 | ncrc2715 |
| 13473 | ncrc2347 | 13529 | ncrc2446 | 13585 | ncrc2537 | 13641 | ncrc2638 | 13697 | ncrc2716 |
| 13474 | ncrc2355 | 13530 | ncrc2448 | 13586 | ncrc2538 | 13642 | ncrc2639 | 13698 | ncrc2718 |
| 13475 | ncrc2356 | 13531 | ncrc2451 | 13587 | ncrc2539 | 13643 | ncrc2641 | 13699 | ncrc2719 |
| 13476 | ncrc2357 | 13532 | ncrc2452 | 13588 | ncrc2540 | 13644 | ncrc2643 | 13700 | ncrc2720 |
| 13477 | ncrc2360 | 13533 | ncrc2453 | 13589 | ncrc2542 | 13645 | ncrc2644 | 13701 | ncrc2724 |
| 13478 | ncrc2363 | 13534 | ncrc2454 | 13590 | ncrc2553 | 13646 | ncrc2645 | 13702 | ncrc2725 |
| 13479 | ncrc2365 | 13535 | ncrc2459 | 13591 | ncrc2555 | 13647 | ncrc2647 | 13703 | ncrc2727 |
| 13480 | ncrc2366 | 13536 | ncrc2461 | 13592 | ncrc2556 | 13648 | ncrc2648 | 13704 | ncrc2729 |
| 13481 | ncrc2367 | 13537 | ncrc2462 | 13593 | ncrc2557 | 13649 | ncrc2649 | 13705 | ncrc2730 |
| 13482 | ncrc2368 | 13538 | ncrc2463 | 13594 | ncrc2558 | 13650 | ncrc2650 | 13706 | ncrc2731 |
| 13483 | ncrc2369 | 13539 | ncrc2464 | 13595 | ncrc2560 | 13651 | ncrc2654 | 13707 | ncrc2733 |
| 13484 | ncrc2371 | 13540 | ncrc2466 | 13596 | ncrc2563 | 13652 | ncrc2655 | 13708 | ncrc2734 |
| 13485 | ncrc2375 | 13541 | ncrc2467 | 13597 | ncrc2564 | 13653 | ncrc2656 | 13709 | ncrc2735 |
| 13486 | ncrc2376 | 13542 | ncrc2468 | 13598 | ncrc2567 | 13654 | ncrc2657 | 13710 | ncrc2736 |
| 13487 | ncrc2377 | 13543 | ncrc2469 | 13599 | ncrc2568 | 13655 | ncrc2659 | 13711 | ncrc2744 |
| 13488 | ncrc2379 | 13544 | ncrc2470 | 13600 | ncrc2569 | 13656 | ncrc2661 | 13712 | ncrc2745 |
| 13489 | ncrc2381 | 13545 | ncrc2472 | 13601 | ncrc2571 | 13657 | ncrc2662 | 13713 | ncrc2746 |
| 13490 | ncrc2382 | 13546 | ncrc2475 | 13602 | ncrc2572 | 13658 | ncrc2663 | 13714 | ncrc2747 |
| 13491 | ncrc2384 | 13547 | ncrc2476 | 13603 | ncrc2576 | 13659 | ncrc2665 | 13715 | ncrc2748 |
| 13492 | ncrc2387 | 13548 | ncrc2477 | 13604 | ncrc2578 | 13660 | ncrc2666 | 13716 | ncrc2749 |
| 13493 | ncrc2388 | 13549 | ncrc2478 | 13605 | ncrc2579 | 13661 | ncrc2667 | 13717 | ncrc2752 |
| 13494 | ncrc2391 | 13550 | ncrc2480 | 13606 | ncrc2580 | 13662 | ncrc2668 | 13718 | ncrc2756 |
| 13495 | ncrc2393 | 13551 | ncrc2481 | 13607 | ncrc2581 | 13663 | ncrc2669 | 13719 | ncrc2758 |
| 13496 | ncrc2394 | 13552 | ncrc2482 | 13608 | ncrc2583 | 13664 | ncrc2670 | 13720 | ncrc2759 |

Figure 6C – Continued

| | | | | | | | | | |
|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|
| 13721 | ncrc2760 | 13777 | ncrc2850 | 13833 | ncrc2938 | 13889 | ncrc3028 | 13945 | ncrc3102 |
| 13722 | ncrc2761 | 13778 | ncrc2852 | 13834 | ncrc2939 | 13890 | ncrc3029 | 13946 | ncrc3103 |
| 13723 | ncrc2762 | 13779 | ncrc2853 | 13835 | ncrc2940 | 13891 | ncrc3030 | 13947 | ncrc3104 |
| 13724 | ncrc2763 | 13780 | ncrc2855 | 13836 | ncrc2941 | 13892 | ncrc3031 | 13948 | ncrc3107 |
| 13725 | ncrc2765 | 13781 | ncrc2856 | 13837 | ncrc2942 | 13893 | ncrc3033 | 13949 | ncrc3108 |
| 13726 | ncrc2768 | 13782 | ncrc2857 | 13838 | ncrc2943 | 13894 | ncrc3034 | 13950 | ncrc3111 |
| 13727 | ncrc2769 | 13783 | ncrc2859 | 13839 | ncrc2944 | 13895 | ncrc3035 | 13951 | ncrc3112 |
| 13728 | ncrc2771 | 13784 | ncrc2861 | 13840 | ncrc2945 | 13896 | ncrc3036 | 13952 | ncrc3114 |
| 13729 | ncrc2772 | 13785 | ncrc2862 | 13841 | ncrc2948 | 13897 | ncrc3039 | 13953 | ncrc3115 |
| 13730 | ncrc2775 | 13786 | ncrc2863 | 13842 | ncrc2949 | 13898 | ncrc3040 | 13954 | ncrc3116 |
| 13731 | ncrc2776 | 13787 | ncrc2864 | 13843 | ncrc2950 | 13899 | ncrc3041 | 13955 | ncrc3119 |
| 13732 | ncrc2779 | 13788 | ncrc2865 | 13844 | ncrc2953 | 13900 | ncrc3043 | 13956 | ncrc3120 |
| 13733 | ncrc2780 | 13789 | ncrc2868 | 13845 | ncrc2955 | 13901 | ncrc3044 | 13957 | ncrc3121 |
| 13734 | ncrc2784 | 13790 | ncrc2869 | 13846 | ncrc2956 | 13902 | ncrc3045 | 13958 | ncrc3124 |
| 13735 | ncrc2785 | 13791 | ncrc2871 | 13847 | ncrc2957 | 13903 | ncrc3046 | 13959 | ncrc3126 |
| 13736 | ncrc2786 | 13792 | ncrc2872 | 13848 | ncrc2958 | 13904 | ncrc3047 | 13960 | ncrc3127 |
| 13737 | ncrc2788 | 13793 | ncrc2873 | 13849 | ncrc2959 | 13905 | ncrc3049 | 13961 | ncrc3128 |
| 13738 | ncrc2791 | 13794 | ncrc2874 | 13850 | ncrc2960 | 13906 | ncrc3050 | 13962 | ncrc3129 |
| 13739 | ncrc2793 | 13795 | ncrc2876 | 13851 | ncrc2961 | 13907 | ncrc3051 | 13963 | ncrc3130 |
| 13740 | ncrc2795 | 13796 | ncrc2878 | 13852 | ncrc2963 | 13908 | ncrc3052 | 13964 | ncrc3131 |
| 13741 | ncrc2796 | 13797 | ncrc2879 | 13853 | ncrc2965 | 13909 | ncrc3053 | 13965 | ncrc3132 |
| 13742 | ncrc2799 | 13798 | ncrc2880 | 13854 | ncrc2967 | 13910 | ncrc3054 | 13966 | ncrc3133 |
| 13743 | ncrc2800 | 13799 | ncrc2881 | 13855 | ncrc2968 | 13911 | ncrc3055 | 13967 | ncrc3135 |
| 13744 | ncrc2801 | 13800 | ncrc2884 | 13856 | ncrc2969 | 13912 | ncrc3056 | 13968 | ncrc3136 |
| 13745 | ncrc2804 | 13801 | ncrc2887 | 13857 | ncrc2970 | 13913 | ncrc3057 | 13969 | ncrc3137 |
| 13746 | ncrc2807 | 13802 | ncrc2888 | 13858 | ncrc2971 | 13914 | ncrc3059 | 13970 | ncrc3141 |
| 13747 | ncrc2808 | 13803 | ncrc2891 | 13859 | ncrc2972 | 13915 | ncrc3060 | 13971 | ncrc3144 |
| 13748 | ncrc2811 | 13804 | ncrc2893 | 13860 | ncrc2974 | 13916 | ncrc3061 | 13972 | ncrc3145 |
| 13749 | ncrc2812 | 13805 | ncrc2894 | 13861 | ncrc2975 | 13917 | ncrc3063 | 13973 | ncrc3148 |
| 13750 | ncrc2813 | 13806 | ncrc2895 | 13862 | ncrc2976 | 13918 | ncrc3065 | 13974 | ncrc3149 |
| 13751 | ncrc2814 | 13807 | ncrc2896 | 13863 | ncrc2984 | 13919 | ncrc3066 | 13975 | ncrc3150 |
| 13752 | ncrc2815 | 13808 | ncrc2897 | 13864 | ncrc2985 | 13920 | ncrc3067 | 13976 | ncrc3151 |
| 13753 | ncrc2816 | 13809 | ncrc2900 | 13865 | ncrc2988 | 13921 | ncrc3068 | 13977 | ncrc3152 |
| 13754 | ncrc2817 | 13810 | ncrc2904 | 13866 | ncrc2989 | 13922 | ncrc3070 | 13978 | ncrc3153 |
| 13755 | ncrc2819 | 13811 | ncrc2905 | 13867 | ncrc2991 | 13923 | ncrc3071 | 13979 | ncrc3154 |
| 13756 | ncrc2820 | 13812 | ncrc2907 | 13868 | ncrc2993 | 13924 | ncrc3072 | 13980 | ncrc3155 |
| 13757 | ncrc2821 | 13813 | ncrc2909 | 13869 | ncrc2995 | 13925 | ncrc3073 | 13981 | ncrc3156 |
| 13758 | ncrc2824 | 13814 | ncrc2910 | 13870 | ncrc2997 | 13926 | ncrc3074 | 13982 | ncrc3157 |
| 13759 | ncrc2825 | 13815 | ncrc2911 | 13871 | ncrc2999 | 13927 | ncrc3075 | 13983 | ncrc3159 |
| 13760 | ncrc2826 | 13816 | ncrc2912 | 13872 | ncrc3002 | 13928 | ncrc3076 | 13984 | ncrc3161 |
| 13761 | ncrc2827 | 13817 | ncrc2913 | 13873 | ncrc3003 | 13929 | ncrc3079 | 13985 | ncrc3165 |
| 13762 | ncrc2828 | 13818 | ncrc2916 | 13874 | ncrc3004 | 13930 | ncrc3080 | 13986 | ncrc3167 |
| 13763 | ncrc2829 | 13819 | ncrc2917 | 13875 | ncrc3005 | 13931 | ncrc3083 | 13987 | ncrc3168 |
| 13764 | ncrc2830 | 13820 | ncrc2919 | 13876 | ncrc3007 | 13932 | ncrc3084 | 13988 | ncrc3169 |
| 13765 | ncrc2831 | 13821 | ncrc2920 | 13877 | ncrc3008 | 13933 | ncrc3085 | 13989 | ncrc3171 |
| 13766 | ncrc2832 | 13822 | ncrc2921 | 13878 | ncrc3009 | 13934 | ncrc3086 | 13990 | ncrc3172 |
| 13767 | ncrc2833 | 13823 | ncrc2922 | 13879 | ncrc3011 | 13935 | ncrc3087 | 13991 | ncrc3175 |
| 13768 | ncrc2835 | 13824 | ncrc2923 | 13880 | ncrc3012 | 13936 | ncrc3089 | 13992 | ncrc3177 |
| 13769 | ncrc2836 | 13825 | ncrc2924 | 13881 | ncrc3013 | 13937 | ncrc3091 | 13993 | ncrc3179 |
| 13770 | ncrc2839 | 13826 | ncrc2926 | 13882 | ncrc3016 | 13938 | ncrc3092 | 13994 | ncrc3180 |
| 13771 | ncrc2840 | 13827 | ncrc2927 | 13883 | ncrc3018 | 13939 | ncrc3093 | 13995 | ncrc3181 |
| 13772 | ncrc2841 | 13828 | ncrc2928 | 13884 | ncrc3020 | 13940 | ncrc3095 | 13996 | ncrc3188 |
| 13773 | ncrc2842 | 13829 | ncrc2929 | 13885 | ncrc3022 | 13941 | ncrc3096 | 13997 | ncrc3193 |
| 13774 | ncrc2847 | 13830 | ncrc2933 | 13886 | ncrc3023 | 13942 | ncrc3097 | 13998 | ncrc3194 |
| 13775 | ncrc2848 | 13831 | ncrc2935 | 13887 | ncrc3025 | 13943 | ncrc3098 | 13999 | ncrc3195 |
| 13776 | ncrc2849 | 13832 | ncrc2937 | 13888 | ncrc3027 | 13944 | ncrc3100 | 14000 | ncrc3196 |

Figure 6C – Continued

| | | | | | | | | | |
|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|
| 14001 | ncrc3197 | 14057 | ncrc3288 | 14113 | ncrc3376 | 14169 | ncrc3469 | 14225 | ncrc3585 |
| 14002 | ncrc3198 | 14058 | ncrc3289 | 14114 | ncrc3377 | 14170 | ncrc3471 | 14226 | ncrc3587 |
| 14003 | ncrc3199 | 14059 | ncrc3290 | 14115 | ncrc3380 | 14171 | ncrc3475 | 14227 | ncrc3589 |
| 14004 | ncrc3200 | 14060 | ncrc3291 | 14116 | ncrc3381 | 14172 | ncrc3479 | 14228 | ncrc3593 |
| 14005 | ncrc3201 | 14061 | ncrc3292 | 14117 | ncrc3383 | 14173 | ncrc3480 | 14229 | ncrc3594 |
| 14006 | ncrc3203 | 14062 | ncrc3295 | 14118 | ncrc3387 | 14174 | ncrc3487 | 14230 | ncrc3595 |
| 14007 | ncrc3204 | 14063 | ncrc3296 | 14119 | ncrc3389 | 14175 | ncrc3489 | 14231 | ncrc3596 |
| 14008 | ncrc3207 | 14064 | ncrc3299 | 14120 | ncrc3390 | 14176 | ncrc3491 | 14232 | ncrc3598 |
| 14009 | ncrc3208 | 14065 | ncrc3300 | 14121 | ncrc3391 | 14177 | ncrc3495 | 14233 | ncrc3599 |
| 14010 | ncrc3211 | 14066 | ncrc3301 | 14122 | ncrc3392 | 14178 | ncrc3496 | 14234 | ncrc3604 |
| 14011 | ncrc3214 | 14067 | ncrc3303 | 14123 | ncrc3393 | 14179 | ncrc3497 | 14235 | ncrc3605 |
| 14012 | ncrc3215 | 14068 | ncrc3304 | 14124 | ncrc3395 | 14180 | ncrc3499 | 14236 | ncrc3609 |
| 14013 | ncrc3216 | 14069 | ncrc3305 | 14125 | ncrc3396 | 14181 | ncrc3500 | 14237 | ncrc3610 |
| 14014 | ncrc3217 | 14070 | ncrc3306 | 14126 | ncrc3401 | 14182 | ncrc3503 | 14238 | ncrc3611 |
| 14015 | ncrc3219 | 14071 | ncrc3307 | 14127 | ncrc3403 | 14183 | ncrc3504 | 14239 | ncrc3613 |
| 14016 | ncrc3220 | 14072 | ncrc3310 | 14128 | ncrc3407 | 14184 | ncrc3505 | 14240 | ncrc3616 |
| 14017 | ncrc3223 | 14073 | ncrc3312 | 14129 | ncrc3408 | 14185 | ncrc3508 | 14241 | ncrc3620 |
| 14018 | ncrc3225 | 14074 | ncrc3313 | 14130 | ncrc3409 | 14186 | ncrc3509 | 14242 | ncrc3621 |
| 14019 | ncrc3226 | 14075 | ncrc3315 | 14131 | ncrc3413 | 14187 | ncrc3513 | 14243 | ncrc3622 |
| 14020 | ncrc3227 | 14076 | ncrc3316 | 14132 | ncrc3415 | 14188 | ncrc3514 | 14244 | ncrc3623 |
| 14021 | ncrc3228 | 14077 | ncrc3317 | 14133 | ncrc3416 | 14189 | ncrc3515 | 14245 | ncrc3624 |
| 14022 | ncrc3230 | 14078 | ncrc3318 | 14134 | ncrc3417 | 14190 | ncrc3516 | 14246 | ncrc3625 |
| 14023 | ncrc3231 | 14079 | ncrc3319 | 14135 | ncrc3418 | 14191 | ncrc3520 | 14247 | ncrc3626 |
| 14024 | ncrc3233 | 14080 | ncrc3321 | 14136 | ncrc3419 | 14192 | ncrc3523 | 14248 | ncrc3628 |
| 14025 | ncrc3235 | 14081 | ncrc3324 | 14137 | ncrc3421 | 14193 | ncrc3524 | 14249 | ncrc3630 |
| 14026 | ncrc3236 | 14082 | ncrc3325 | 14138 | ncrc3422 | 14194 | ncrc3525 | 14250 | ncrc3631 |
| 14027 | ncrc3237 | 14083 | ncrc3326 | 14139 | ncrc3423 | 14195 | ncrc3526 | 14251 | ncrc3632 |
| 14028 | ncrc3238 | 14084 | ncrc3327 | 14140 | ncrc3424 | 14196 | ncrc3529 | 14252 | ncrc3634 |
| 14029 | ncrc3240 | 14085 | ncrc3328 | 14141 | ncrc3425 | 14197 | ncrc3530 | 14253 | ncrc3635 |
| 14030 | ncrc3241 | 14086 | ncrc3330 | 14142 | ncrc3428 | 14198 | ncrc3532 | 14254 | ncrc3637 |
| 14031 | ncrc3242 | 14087 | ncrc3332 | 14143 | ncrc3429 | 14199 | ncrc3535 | 14255 | ncrc3641 |
| 14032 | ncrc3243 | 14088 | ncrc3334 | 14144 | ncrc3431 | 14200 | ncrc3536 | 14256 | ncrc3643 |
| 14033 | ncrc3244 | 14089 | ncrc3335 | 14145 | ncrc3432 | 14201 | ncrc3537 | 14257 | ncrc3645 |
| 14034 | ncrc3245 | 14090 | ncrc3336 | 14146 | ncrc3433 | 14202 | ncrc3538 | 14258 | ncrc3647 |
| 14035 | ncrc3246 | 14091 | ncrc3338 | 14147 | ncrc3434 | 14203 | ncrc3540 | 14259 | ncrc3648 |
| 14036 | ncrc3248 | 14092 | ncrc3341 | 14148 | ncrc3435 | 14204 | ncrc3541 | 14260 | ncrc3650 |
| 14037 | ncrc3250 | 14093 | ncrc3342 | 14149 | ncrc3436 | 14205 | ncrc3544 | 14261 | ncrc3655 |
| 14038 | ncrc3252 | 14094 | ncrc3343 | 14150 | ncrc3439 | 14206 | ncrc3546 | 14262 | ncrc3656 |
| 14039 | ncrc3253 | 14095 | ncrc3344 | 14151 | ncrc3440 | 14207 | ncrc3547 | 14263 | ncrc3657 |
| 14040 | ncrc3255 | 14096 | ncrc3345 | 14152 | ncrc3442 | 14208 | ncrc3548 | 14264 | ncrc3661 |
| 14041 | ncrc3256 | 14097 | ncrc3347 | 14153 | ncrc3443 | 14209 | ncrc3550 | 14265 | ncrc3664 |
| 14042 | ncrc3257 | 14098 | ncrc3349 | 14154 | ncrc3444 | 14210 | ncrc3551 | 14266 | ncrc3667 |
| 14043 | ncrc3258 | 14099 | ncrc3351 | 14155 | ncrc3445 | 14211 | ncrc3552 | 14267 | ncrc3671 |
| 14044 | ncrc3259 | 14100 | ncrc3352 | 14156 | ncrc3447 | 14212 | ncrc3554 | 14268 | ncrc3672 |
| 14045 | ncrc3260 | 14101 | ncrc3354 | 14157 | ncrc3449 | 14213 | ncrc3556 | 14269 | ncrc3676 |
| 14046 | ncrc3263 | 14102 | ncrc3355 | 14158 | ncrc3451 | 14214 | ncrc3560 | 14270 | ncrc3678 |
| 14047 | ncrc3268 | 14103 | ncrc3356 | 14159 | ncrc3453 | 14215 | ncrc3564 | 14271 | ncrc3679 |
| 14048 | ncrc3271 | 14104 | ncrc3358 | 14160 | ncrc3454 | 14216 | ncrc3568 | 14272 | ncrc3681 |
| 14049 | ncrc3272 | 14105 | ncrc3359 | 14161 | ncrc3456 | 14217 | ncrc3569 | 14273 | ncrc3683 |
| 14050 | ncrc3276 | 14106 | ncrc3360 | 14162 | ncrc3457 | 14218 | ncrc3571 | 14274 | ncrc3684 |
| 14051 | ncrc3277 | 14107 | ncrc3361 | 14163 | ncrc3460 | 14219 | ncrc3573 | 14275 | ncrc3685 |
| 14052 | ncrc3279 | 14108 | ncrc3362 | 14164 | ncrc3461 | 14220 | ncrc3575 | 14276 | ncrc3690 |
| 14053 | ncrc3281 | 14109 | ncrc3364 | 14165 | ncrc3462 | 14221 | ncrc3577 | 14277 | ncrc3691 |
| 14054 | ncrc3283 | 14110 | ncrc3367 | 14166 | ncrc3464 | 14222 | ncrc3579 | 14278 | ncrc3692 |
| 14055 | ncrc3285 | 14111 | ncrc3369 | 14167 | ncrc3465 | 14223 | ncrc3581 | 14279 | ncrc3695 |
| 14056 | ncrc3287 | 14112 | ncrc3375 | 14168 | ncrc3468 | 14224 | ncrc3582 | 14280 | ncrc3697 |

Figure 6C -- Continued

| | | | | | | | | | |
|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|
| 14281 | ncrc3699 | 14337 | ncrc3787 | 14393 | ncrc3891 | 14449 | ncrc4001 | 14505 | ncrc4098 |
| 14282 | ncrc3700 | 14338 | ncrc3790 | 14394 | ncrc3893 | 14450 | ncrc4004 | 14506 | ncrc4099 |
| 14283 | ncrc3702 | 14339 | ncrc3791 | 14395 | ncrc3895 | 14451 | ncrc4006 | 14507 | ncrc4101 |
| 14284 | ncrc3703 | 14340 | ncrc3794 | 14396 | ncrc3896 | 14452 | ncrc4009 | 14508 | ncrc4102 |
| 14285 | ncrc3704 | 14341 | ncrc3795 | 14397 | ncrc3900 | 14453 | ncrc4011 | 14509 | ncrc4103 |
| 14286 | ncrc3706 | 14342 | ncrc3797 | 14398 | ncrc3901 | 14454 | ncrc4012 | 14510 | ncrc4104 |
| 14287 | ncrc3707 | 14343 | ncrc3798 | 14399 | ncrc3903 | 14455 | ncrc4014 | 14511 | ncrc4107 |
| 14288 | ncrc3708 | 14344 | ncrc3799 | 14400 | ncrc3904 | 14456 | ncrc4015 | 14512 | ncrc4111 |
| 14289 | ncrc3709 | 14345 | ncrc3801 | 14401 | ncrc3905 | 14457 | ncrc4016 | 14513 | ncrc4112 |
| 14290 | ncrc3710 | 14346 | ncrc3802 | 14402 | ncrc3908 | 14458 | ncrc4017 | 14514 | ncrc4113 |
| 14291 | ncrc3712 | 14347 | ncrc3803 | 14403 | ncrc3909 | 14459 | ncrc4020 | 14515 | ncrc4114 |
| 14292 | ncrc3713 | 14348 | ncrc3805 | 14404 | ncrc3911 | 14460 | ncrc4021 | 14516 | ncrc4116 |
| 14293 | ncrc3717 | 14349 | ncrc3807 | 14405 | ncrc3914 | 14461 | ncrc4024 | 14517 | ncrc4117 |
| 14294 | ncrc3718 | 14350 | ncrc3810 | 14406 | ncrc3916 | 14462 | ncrc4025 | 14518 | ncrc4119 |
| 14295 | ncrc3719 | 14351 | ncrc3813 | 14407 | ncrc3917 | 14463 | ncrc4026 | 14519 | ncrc4121 |
| 14296 | ncrc3720 | 14352 | ncrc3814 | 14408 | ncrc3918 | 14464 | ncrc4027 | 14520 | ncrc4122 |
| 14297 | ncrc3721 | 14353 | ncrc3816 | 14409 | ncrc3919 | 14465 | ncrc4028 | 14521 | ncrc4123 |
| 14298 | ncrc3722 | 14354 | ncrc3817 | 14410 | ncrc3921 | 14466 | ncrc4029 | 14522 | ncrc4124 |
| 14299 | ncrc3723 | 14355 | ncrc3821 | 14411 | ncrc3922 | 14467 | ncrc4030 | 14523 | ncrc4125 |
| 14300 | ncrc3724 | 14356 | ncrc3827 | 14412 | ncrc3923 | 14468 | ncrc4032 | 14524 | ncrc4129 |
| 14301 | ncrc3725 | 14357 | ncrc3828 | 14413 | ncrc3925 | 14469 | ncrc4033 | 14525 | ncrc4130 |
| 14302 | ncrc3727 | 14358 | ncrc3829 | 14414 | ncrc3927 | 14470 | ncrc4036 | 14526 | ncrc4131 |
| 14303 | ncrc3728 | 14359 | ncrc3832 | 14415 | ncrc3928 | 14471 | ncrc4040 | 14527 | ncrc4132 |
| 14304 | ncrc3733 | 14360 | ncrc3837 | 14416 | ncrc3930 | 14472 | ncrc4041 | 14528 | ncrc4135 |
| 14305 | ncrc3735 | 14361 | ncrc3838 | 14417 | ncrc3934 | 14473 | ncrc4043 | 14529 | ncrc4136 |
| 14306 | ncrc3736 | 14362 | ncrc3839 | 14418 | ncrc3935 | 14474 | ncrc4045 | 14530 | ncrc4137 |
| 14307 | ncrc3737 | 14363 | ncrc3840 | 14419 | ncrc3936 | 14475 | ncrc4047 | 14531 | ncrc4139 |
| 14308 | ncrc3738 | 14364 | ncrc3841 | 14420 | ncrc3937 | 14476 | ncrc4048 | 14532 | ncrc4143 |
| 14309 | ncrc3743 | 14365 | ncrc3842 | 14421 | ncrc3939 | 14477 | ncrc4049 | 14533 | ncrc4144 |
| 14310 | ncrc3744 | 14366 | ncrc3844 | 14422 | ncrc3952 | 14478 | ncrc4052 | 14534 | ncrc4145 |
| 14311 | ncrc3748 | 14367 | ncrc3847 | 14423 | ncrc3953 | 14479 | ncrc4055 | 14535 | ncrc4146 |
| 14312 | ncrc3749 | 14368 | ncrc3849 | 14424 | ncrc3955 | 14480 | ncrc4057 | 14536 | ncrc4147 |
| 14313 | ncrc3750 | 14369 | ncrc3851 | 14425 | ncrc3956 | 14481 | ncrc4059 | 14537 | ncrc4148 |
| 14314 | ncrc3751 | 14370 | ncrc3853 | 14426 | ncrc3957 | 14482 | ncrc4060 | 14538 | ncrc4152 |
| 14315 | ncrc3752 | 14371 | ncrc3855 | 14427 | ncrc3959 | 14483 | ncrc4063 | 14539 | ncrc4153 |
| 14316 | ncrc3753 | 14372 | ncrc3856 | 14428 | ncrc3964 | 14484 | ncrc4065 | 14540 | ncrc4159 |
| 14317 | ncrc3754 | 14373 | ncrc3857 | 14429 | ncrc3968 | 14485 | ncrc4067 | 14541 | ncrc4160 |
| 14318 | ncrc3757 | 14374 | ncrc3859 | 14430 | ncrc3969 | 14486 | ncrc4068 | 14542 | ncrc4163 |
| 14319 | ncrc3759 | 14375 | ncrc3860 | 14431 | ncrc3971 | 14487 | ncrc4069 | 14543 | ncrc4164 |
| 14320 | ncrc3761 | 14376 | ncrc3864 | 14432 | ncrc3972 | 14488 | ncrc4071 | 14544 | ncrc4165 |
| 14321 | ncrc3762 | 14377 | ncrc3865 | 14433 | ncrc3975 | 14489 | ncrc4072 | 14545 | ncrc4168 |
| 14322 | ncrc3763 | 14378 | ncrc3870 | 14434 | ncrc3976 | 14490 | ncrc4073 | 14546 | ncrc4169 |
| 14323 | ncrc3765 | 14379 | ncrc3872 | 14435 | ncrc3978 | 14491 | ncrc4074 | 14547 | ncrc4170 |
| 14324 | ncrc3766 | 14380 | ncrc3873 | 14436 | ncrc3979 | 14492 | ncrc4075 | 14548 | ncrc4171 |
| 14325 | ncrc3767 | 14381 | ncrc3875 | 14437 | ncrc3980 | 14493 | ncrc4076 | 14549 | ncrc4177 |
| 14326 | ncrc3769 | 14382 | ncrc3876 | 14438 | ncrc3982 | 14494 | ncrc4079 | 14550 | ncrc4179 |
| 14327 | ncrc3772 | 14383 | ncrc3877 | 14439 | ncrc3984 | 14495 | ncrc4081 | 14551 | ncrc4180 |
| 14328 | ncrc3773 | 14384 | ncrc3879 | 14440 | ncrc3987 | 14496 | ncrc4084 | 14552 | ncrc4182 |
| 14329 | ncrc3775 | 14385 | ncrc3880 | 14441 | ncrc3988 | 14497 | ncrc4085 | 14553 | ncrc4184 |
| 14330 | ncrc3776 | 14386 | ncrc3881 | 14442 | ncrc3991 | 14498 | ncrc4086 | 14554 | ncrc4185 |
| 14331 | ncrc3777 | 14387 | ncrc3882 | 14443 | ncrc3992 | 14499 | ncrc4087 | 14555 | ncrc4186 |
| 14332 | ncrc3778 | 14388 | ncrc3883 | 14444 | ncrc3993 | 14500 | ncrc4088 | 14556 | ncrc4188 |
| 14333 | ncrc3781 | 14389 | ncrc3886 | 14445 | ncrc3995 | 14501 | ncrc4089 | 14557 | ncrc4189 |
| 14334 | ncrc3782 | 14390 | ncrc3887 | 14446 | ncrc3998 | 14502 | ncrc4092 | 14558 | ncrc4190 |
| 14335 | ncrc3785 | 14391 | ncrc3888 | 14447 | ncrc3999 | 14503 | ncrc4093 | 14559 | ncrc4191 |
| 14336 | ncrc3786 | 14392 | ncrc3889 | 14448 | ncrc4000 | 14504 | ncrc4095 | 14560 | ncrc4192 |

Figure 6C - Continued

| | | | | | | | | | |
|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|
| 14561 | ncrc4193 | 14617 | ncrc4292 | 14673 | ncrc4394 | 14729 | ncrc4503 | 14785 | ncrc4600 |
| 14562 | ncrc4195 | 14618 | ncrc4294 | 14674 | ncrc4395 | 14730 | ncrc4504 | 14786 | ncrc4604 |
| 14563 | ncrc4196 | 14619 | ncrc4295 | 14675 | ncrc4397 | 14731 | ncrc4505 | 14787 | ncrc4605 |
| 14564 | ncrc4197 | 14620 | ncrc4296 | 14676 | ncrc4398 | 14732 | ncrc4508 | 14788 | ncrc4606 |
| 14565 | ncrc4199 | 14621 | ncrc4297 | 14677 | ncrc4399 | 14733 | ncrc4511 | 14789 | ncrc4608 |
| 14566 | ncrc4201 | 14622 | ncrc4298 | 14678 | ncrc4401 | 14734 | ncrc4512 | 14790 | ncrc4609 |
| 14567 | ncrc4203 | 14623 | ncrc4299 | 14679 | ncrc4402 | 14735 | ncrc4513 | 14791 | ncrc4615 |
| 14568 | ncrc4204 | 14624 | ncrc4300 | 14680 | ncrc4403 | 14736 | ncrc4514 | 14792 | ncrc4616 |
| 14569 | ncrc4205 | 14625 | ncrc4302 | 14681 | ncrc4404 | 14737 | ncrc4515 | 14793 | ncrc4619 |
| 14570 | ncrc4206 | 14626 | ncrc4303 | 14682 | ncrc4408 | 14738 | ncrc4516 | 14794 | ncrc4620 |
| 14571 | ncrc4207 | 14627 | ncrc4304 | 14683 | ncrc4410 | 14739 | ncrc4520 | 14795 | ncrc4621 |
| 14572 | ncrc4208 | 14628 | ncrc4305 | 14684 | ncrc4411 | 14740 | ncrc4521 | 14796 | ncrc4623 |
| 14573 | ncrc4211 | 14629 | ncrc4306 | 14685 | ncrc4413 | 14741 | ncrc4524 | 14797 | ncrc4627 |
| 14574 | ncrc4213 | 14630 | ncrc4307 | 14686 | ncrc4415 | 14742 | ncrc4525 | 14798 | ncrc4628 |
| 14575 | ncrc4218 | 14631 | ncrc4308 | 14687 | ncrc4416 | 14743 | ncrc4527 | 14799 | ncrc4629 |
| 14576 | ncrc4219 | 14632 | ncrc4309 | 14688 | ncrc4418 | 14744 | ncrc4528 | 14800 | ncrc4632 |
| 14577 | ncrc4220 | 14633 | ncrc4312 | 14689 | ncrc4419 | 14745 | ncrc4531 | 14801 | ncrc4633 |
| 14578 | ncrc4221 | 14634 | ncrc4313 | 14690 | ncrc4420 | 14746 | ncrc4532 | 14802 | ncrc4634 |
| 14579 | ncrc4222 | 14635 | ncrc4315 | 14691 | ncrc4424 | 14747 | ncrc4533 | 14803 | ncrc4637 |
| 14580 | ncrc4223 | 14636 | ncrc4316 | 14692 | ncrc4425 | 14748 | ncrc4535 | 14804 | ncrc4639 |
| 14581 | ncrc4224 | 14637 | ncrc4317 | 14693 | ncrc4428 | 14749 | ncrc4536 | 14805 | ncrc4644 |
| 14582 | ncrc4225 | 14638 | ncrc4318 | 14694 | ncrc4429 | 14750 | ncrc4538 | 14806 | ncrc4645 |
| 14583 | ncrc4226 | 14639 | ncrc4320 | 14695 | ncrc4431 | 14751 | ncrc4539 | 14807 | ncrc4647 |
| 14584 | ncrc4227 | 14640 | ncrc4323 | 14696 | ncrc4436 | 14752 | ncrc4540 | 14808 | ncrc4648 |
| 14585 | ncrc4228 | 14641 | ncrc4327 | 14697 | ncrc4437 | 14753 | ncrc4547 | 14809 | ncrc4651 |
| 14586 | ncrc4231 | 14642 | ncrc4329 | 14698 | ncrc4439 | 14754 | ncrc4548 | 14810 | ncrc4654 |
| 14587 | ncrc4233 | 14643 | ncrc4333 | 14699 | ncrc4440 | 14755 | ncrc4551 | 14811 | ncrc4655 |
| 14588 | ncrc4235 | 14644 | ncrc4335 | 14700 | ncrc4441 | 14756 | ncrc4553 | 14812 | ncrc4656 |
| 14589 | ncrc4237 | 14645 | ncrc4336 | 14701 | ncrc4444 | 14757 | ncrc4554 | 14813 | ncrc4659 |
| 14590 | ncrc4240 | 14646 | ncrc4343 | 14702 | ncrc4448 | 14758 | ncrc4555 | 14814 | ncrc4661 |
| 14591 | ncrc4241 | 14647 | ncrc4344 | 14703 | ncrc4451 | 14759 | ncrc4559 | 14815 | ncrc4662 |
| 14592 | ncrc4243 | 14648 | ncrc4345 | 14704 | ncrc4456 | 14760 | ncrc4561 | 14816 | ncrc4663 |
| 14593 | ncrc4244 | 14649 | ncrc4346 | 14705 | ncrc4459 | 14761 | ncrc4563 | 14817 | ncrc4664 |
| 14594 | ncrc4247 | 14650 | ncrc4347 | 14706 | ncrc4460 | 14762 | ncrc4565 | 14818 | ncrc4665 |
| 14595 | ncrc4248 | 14651 | ncrc4349 | 14707 | ncrc4464 | 14763 | ncrc4566 | 14819 | ncrc4666 |
| 14596 | ncrc4250 | 14652 | ncrc4352 | 14708 | ncrc4467 | 14764 | ncrc4567 | 14820 | ncrc4667 |
| 14597 | ncrc4253 | 14653 | ncrc4353 | 14709 | ncrc4469 | 14765 | ncrc4568 | 14821 | ncrc4668 |
| 14598 | ncrc4255 | 14654 | ncrc4355 | 14710 | ncrc4471 | 14766 | ncrc4569 | 14822 | ncrc4669 |
| 14599 | ncrc4257 | 14655 | ncrc4356 | 14711 | ncrc4472 | 14767 | ncrc4570 | 14823 | ncrc4670 |
| 14600 | ncrc4259 | 14656 | ncrc4357 | 14712 | ncrc4473 | 14768 | ncrc4574 | 14824 | ncrc4671 |
| 14601 | ncrc4263 | 14657 | ncrc4362 | 14713 | ncrc4478 | 14769 | ncrc4575 | 14825 | ncrc4672 |
| 14602 | ncrc4264 | 14658 | ncrc4366 | 14714 | ncrc4479 | 14770 | ncrc4576 | 14826 | ncrc4673 |
| 14603 | ncrc4265 | 14659 | ncrc4367 | 14715 | ncrc4481 | 14771 | ncrc4579 | 14827 | ncrc4675 |
| 14604 | ncrc4267 | 14660 | ncrc4368 | 14716 | ncrc4485 | 14772 | ncrc4580 | 14828 | ncrc4676 |
| 14605 | ncrc4270 | 14661 | ncrc4371 | 14717 | ncrc4486 | 14773 | ncrc4583 | 14829 | ncrc4677 |
| 14606 | ncrc4273 | 14662 | ncrc4373 | 14718 | ncrc4487 | 14774 | ncrc4584 | 14830 | ncrc4681 |
| 14607 | ncrc4275 | 14663 | ncrc4374 | 14719 | ncrc4489 | 14775 | ncrc4585 | 14831 | ncrc4682 |
| 14608 | ncrc4281 | 14664 | ncrc4376 | 14720 | ncrc4490 | 14776 | ncrc4586 | 14832 | ncrc4683 |
| 14609 | ncrc4282 | 14665 | ncrc4377 | 14721 | ncrc4492 | 14777 | ncrc4587 | 14833 | ncrc4684 |
| 14610 | ncrc4283 | 14666 | ncrc4380 | 14722 | ncrc4493 | 14778 | ncrc4588 | 14834 | ncrc4685 |
| 14611 | ncrc4284 | 14667 | ncrc4381 | 14723 | ncrc4495 | 14779 | ncrc4589 | 14835 | ncrc4687 |
| 14612 | ncrc4285 | 14668 | ncrc4383 | 14724 | ncrc4496 | 14780 | ncrc4590 | 14836 | ncrc4688 |
| 14613 | ncrc4286 | 14669 | ncrc4384 | 14725 | ncrc4497 | 14781 | ncrc4591 | 14837 | ncrc4689 |
| 14614 | ncrc4287 | 14670 | ncrc4387 | 14726 | ncrc4498 | 14782 | ncrc4592 | 14838 | ncrc4692 |
| 14615 | ncrc4289 | 14671 | ncrc4389 | 14727 | ncrc4499 | 14783 | ncrc4594 | 14839 | ncrc4693 |
| 14616 | ncrc4290 | 14672 | ncrc4390 | 14728 | ncrc4501 | 14784 | ncrc4597 | 14840 | ncrc4696 |

Figure 6C - Continued

| | | | | | | | | | |
|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|
| 14841 | ncrc4697 | 14897 | ncrc4804 | 14953 | ncrc4903 | 15009 | ncrc5008 | 15065 | ncrc5105 |
| 14842 | ncrc4698 | 14898 | ncrc4807 | 14954 | ncrc4904 | 15010 | ncrc5013 | 15066 | ncrc5107 |
| 14843 | ncrc4700 | 14899 | ncrc4808 | 14955 | ncrc4907 | 15011 | ncrc5015 | 15067 | ncrc5108 |
| 14844 | ncrc4701 | 14900 | ncrc4809 | 14956 | ncrc4909 | 15012 | ncrc5016 | 15068 | ncrc5109 |
| 14845 | ncrc4703 | 14901 | ncrc4811 | 14957 | ncrc4911 | 15013 | ncrc5017 | 15069 | ncrc5113 |
| 14846 | ncrc4704 | 14902 | ncrc4812 | 14958 | ncrc4912 | 15014 | ncrc5019 | 15070 | ncrc5117 |
| 14847 | ncrc4705 | 14903 | ncrc4814 | 14959 | ncrc4916 | 15015 | ncrc5020 | 15071 | ncrc5121 |
| 14848 | ncrc4706 | 14904 | ncrc4815 | 14960 | ncrc4917 | 15016 | ncrc5021 | 15072 | ncrc5123 |
| 14849 | ncrc4707 | 14905 | ncrc4819 | 14961 | ncrc4919 | 15017 | ncrc5023 | 15073 | ncrc5124 |
| 14850 | ncrc4712 | 14906 | ncrc4820 | 14962 | ncrc4920 | 15018 | ncrc5025 | 15074 | ncrc5125 |
| 14851 | ncrc4713 | 14907 | ncrc4824 | 14963 | ncrc4923 | 15019 | ncrc5031 | 15075 | ncrc5128 |
| 14852 | ncrc4716 | 14908 | ncrc4827 | 14964 | ncrc4924 | 15020 | ncrc5033 | 15076 | ncrc5132 |
| 14853 | ncrc4719 | 14909 | ncrc4828 | 14965 | ncrc4926 | 15021 | ncrc5034 | 15077 | ncrc5135 |
| 14854 | ncrc4720 | 14910 | ncrc4829 | 14966 | ncrc4931 | 15022 | ncrc5035 | 15078 | ncrc5136 |
| 14855 | ncrc4721 | 14911 | ncrc4830 | 14967 | ncrc4932 | 15023 | ncrc5036 | 15079 | ncrc5137 |
| 14856 | ncrc4723 | 14912 | ncrc4831 | 14968 | ncrc4933 | 15024 | ncrc5039 | 15080 | ncrc5139 |
| 14857 | ncrc4724 | 14913 | ncrc4835 | 14969 | ncrc4936 | 15025 | ncrc5040 | 15081 | ncrc5140 |
| 14858 | ncrc4728 | 14914 | ncrc4839 | 14970 | ncrc4937 | 15026 | ncrc5041 | 15082 | ncrc5141 |
| 14859 | ncrc4732 | 14915 | ncrc4840 | 14971 | ncrc4939 | 15027 | ncrc5045 | 15083 | ncrc5143 |
| 14860 | ncrc4733 | 14916 | ncrc4842 | 14972 | ncrc4940 | 15028 | ncrc5047 | 15084 | ncrc5145 |
| 14861 | ncrc4734 | 14917 | ncrc4843 | 14973 | ncrc4942 | 15029 | ncrc5048 | 15085 | ncrc5146 |
| 14862 | ncrc4735 | 14918 | ncrc4844 | 14974 | ncrc4945 | 15030 | ncrc5050 | 15086 | ncrc5147 |
| 14863 | ncrc4740 | 14919 | ncrc4848 | 14975 | ncrc4947 | 15031 | ncrc5051 | 15087 | ncrc5149 |
| 14864 | ncrc4741 | 14920 | ncrc4849 | 14976 | ncrc4950 | 15032 | ncrc5052 | 15088 | ncrc5150 |
| 14865 | ncrc4745 | 14921 | ncrc4851 | 14977 | ncrc4953 | 15033 | ncrc5053 | 15089 | ncrc5155 |
| 14866 | ncrc4746 | 14922 | ncrc4852 | 14978 | ncrc4954 | 15034 | ncrc5054 | 15090 | ncrc5156 |
| 14867 | ncrc4747 | 14923 | ncrc4854 | 14979 | ncrc4955 | 15035 | ncrc5056 | 15091 | ncrc5157 |
| 14868 | ncrc4752 | 14924 | ncrc4855 | 14980 | ncrc4956 | 15036 | ncrc5060 | 15092 | ncrc5158 |
| 14869 | ncrc4753 | 14925 | ncrc4856 | 14981 | ncrc4957 | 15037 | ncrc5061 | 15093 | ncrc5162 |
| 14870 | ncrc4755 | 14926 | ncrc4857 | 14982 | ncrc4958 | 15038 | ncrc5062 | 15094 | ncrc5163 |
| 14871 | ncrc4756 | 14927 | ncrc4859 | 14983 | ncrc4964 | 15039 | ncrc5064 | 15095 | ncrc5167 |
| 14872 | ncrc4757 | 14928 | ncrc4861 | 14984 | ncrc4966 | 15040 | ncrc5065 | 15096 | ncrc5168 |
| 14873 | ncrc4758 | 14929 | ncrc4862 | 14985 | ncrc4967 | 15041 | ncrc5066 | 15097 | ncrc5169 |
| 14874 | ncrc4759 | 14930 | ncrc4863 | 14986 | ncrc4970 | 15042 | ncrc5067 | 15098 | ncrc5171 |
| 14875 | ncrc4760 | 14931 | ncrc4864 | 14987 | ncrc4971 | 15043 | ncrc5069 | 15099 | ncrc5172 |
| 14876 | ncrc4766 | 14932 | ncrc4867 | 14988 | ncrc4972 | 15044 | ncrc5070 | 15100 | ncrc5175 |
| 14877 | ncrc4771 | 14933 | ncrc4869 | 14989 | ncrc4973 | 15045 | ncrc5071 | 15101 | ncrc5176 |
| 14878 | ncrc4772 | 14934 | ncrc4870 | 14990 | ncrc4974 | 15046 | ncrc5072 | 15102 | ncrc5177 |
| 14879 | ncrc4773 | 14935 | ncrc4871 | 14991 | ncrc4976 | 15047 | ncrc5075 | 15103 | ncrc5178 |
| 14880 | ncrc4776 | 14936 | ncrc4872 | 14992 | ncrc4977 | 15048 | ncrc5076 | 15104 | ncrc5179 |
| 14881 | ncrc4778 | 14937 | ncrc4874 | 14993 | ncrc4978 | 15049 | ncrc5077 | 15105 | ncrc5180 |
| 14882 | ncrc4779 | 14938 | ncrc4875 | 14994 | ncrc4981 | 15050 | ncrc5079 | 15106 | ncrc5181 |
| 14883 | ncrc4780 | 14939 | ncrc4876 | 14995 | ncrc4985 | 15051 | ncrc5081 | 15107 | ncrc5182 |
| 14884 | ncrc4782 | 14940 | ncrc4877 | 14996 | ncrc4986 | 15052 | ncrc5083 | 15108 | ncrc5183 |
| 14885 | ncrc4785 | 14941 | ncrc4878 | 14997 | ncrc4987 | 15053 | ncrc5086 | 15109 | ncrc5184 |
| 14886 | ncrc4786 | 14942 | ncrc4879 | 14998 | ncrc4988 | 15054 | ncrc5087 | 15110 | ncrc5187 |
| 14887 | ncrc4787 | 14943 | ncrc4880 | 14999 | ncrc4989 | 15055 | ncrc5088 | 15111 | ncrc5191 |
| 14888 | ncrc4788 | 14944 | ncrc4882 | 15000 | ncrc4991 | 15056 | ncrc5090 | 15112 | ncrc5199 |
| 14889 | ncrc4789 | 14945 | ncrc4885 | 15001 | ncrc4993 | 15057 | ncrc5091 | 15113 | ncrc5200 |
| 14890 | ncrc4792 | 14946 | ncrc4888 | 15002 | ncrc4994 | 15058 | ncrc5092 | 15114 | ncrc5204 |
| 14891 | ncrc4793 | 14947 | ncrc4891 | 15003 | ncrc4995 | 15059 | ncrc5095 | 15115 | ncrc5205 |
| 14892 | ncrc4794 | 14948 | ncrc4894 | 15004 | ncrc4996 | 15060 | ncrc5098 | 15116 | ncrc5207 |
| 14893 | ncrc4798 | 14949 | ncrc4896 | 15005 | ncrc5000 | 15061 | ncrc5099 | 15117 | ncrc5208 |
| 14894 | ncrc4799 | 14950 | ncrc4897 | 15006 | ncrc5001 | 15062 | ncrc5100 | 15118 | ncrc5209 |
| 14895 | ncrc4800 | 14951 | ncrc4899 | 15007 | ncrc5003 | 15063 | ncrc5101 | 15119 | ncrc5211 |
| 14896 | ncrc4802 | 14952 | ncrc4900 | 15008 | ncrc5007 | 15064 | ncrc5104 | 15120 | ncrc5212 |

Figure 6C – Continued

| | | | | | | | | | |
|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|
| 15121 | ncrc5213 | 15177 | ncrc5310 | 15233 | ncrc5427 | 15289 | ncrc5528 | 15345 | ncrc5625 |
| 15122 | ncrc5216 | 15178 | ncrc5312 | 15234 | ncrc5429 | 15290 | ncrc5533 | 15346 | ncrc5626 |
| 15123 | ncrc5217 | 15179 | ncrc5313 | 15235 | ncrc5431 | 15291 | ncrc5534 | 15347 | ncrc5628 |
| 15124 | ncrc5219 | 15180 | ncrc5316 | 15236 | ncrc5432 | 15292 | ncrc5536 | 15348 | ncrc5631 |
| 15125 | ncrc5220 | 15181 | ncrc5317 | 15237 | ncrc5434 | 15293 | ncrc5537 | 15349 | ncrc5633 |
| 15126 | ncrc5221 | 15182 | ncrc5324 | 15238 | ncrc5435 | 15294 | ncrc5539 | 15350 | ncrc5635 |
| 15127 | ncrc5223 | 15183 | ncrc5326 | 15239 | ncrc5436 | 15295 | ncrc5540 | 15351 | ncrc5636 |
| 15128 | ncrc5224 | 15184 | ncrc5327 | 15240 | ncrc5438 | 15296 | ncrc5542 | 15352 | ncrc5638 |
| 15129 | ncrc5225 | 15185 | ncrc5328 | 15241 | ncrc5439 | 15297 | ncrc5544 | 15353 | ncrc5640 |
| 15130 | ncrc5227 | 15186 | ncrc5329 | 15242 | ncrc5440 | 15298 | ncrc5545 | 15354 | ncrc5643 |
| 15131 | ncrc5228 | 15187 | ncrc5331 | 15243 | ncrc5441 | 15299 | ncrc5546 | 15355 | ncrc5644 |
| 15132 | ncrc5230 | 15188 | ncrc5333 | 15244 | ncrc5443 | 15300 | ncrc5548 | 15356 | ncrc5645 |
| 15133 | ncrc5231 | 15189 | ncrc5334 | 15245 | ncrc5444 | 15301 | ncrc5549 | 15357 | ncrc5647 |
| 15134 | ncrc5232 | 15190 | ncrc5335 | 15246 | ncrc5447 | 15302 | ncrc5550 | 15358 | ncrc5648 |
| 15135 | ncrc5233 | 15191 | ncrc5336 | 15247 | ncrc5451 | 15303 | ncrc5551 | 15359 | ncrc5650 |
| 15136 | ncrc5235 | 15192 | ncrc5338 | 15248 | ncrc5453 | 15304 | ncrc5552 | 15360 | ncrc5651 |
| 15137 | ncrc5237 | 15193 | ncrc5341 | 15249 | ncrc5454 | 15305 | ncrc5553 | 15361 | ncrc5652 |
| 15138 | ncrc5239 | 15194 | ncrc5343 | 15250 | ncrc5456 | 15306 | ncrc5555 | 15362 | ncrc5653 |
| 15139 | ncrc5240 | 15195 | ncrc5345 | 15251 | ncrc5458 | 15307 | ncrc5556 | 15363 | ncrc5655 |
| 15140 | ncrc5241 | 15196 | ncrc5347 | 15252 | ncrc5460 | 15308 | ncrc5557 | 15364 | ncrc5656 |
| 15141 | ncrc5242 | 15197 | ncrc5348 | 15253 | ncrc5461 | 15309 | ncrc5559 | 15365 | ncrc5659 |
| 15142 | ncrc5243 | 15198 | ncrc5349 | 15254 | ncrc5464 | 15310 | ncrc5560 | 15366 | ncrc5661 |
| 15143 | ncrc5244 | 15199 | ncrc5351 | 15255 | ncrc5469 | 15311 | ncrc5561 | 15367 | ncrc5663 |
| 15144 | ncrc5245 | 15200 | ncrc5353 | 15256 | ncrc5470 | 15312 | ncrc5563 | 15368 | ncrc5664 |
| 15145 | ncrc5247 | 15201 | ncrc5355 | 15257 | ncrc5472 | 15313 | ncrc5564 | 15369 | ncrc5667 |
| 15146 | ncrc5248 | 15202 | ncrc5356 | 15258 | ncrc5473 | 15314 | ncrc5565 | 15370 | ncrc5668 |
| 15147 | ncrc5251 | 15203 | ncrc5358 | 15259 | ncrc5474 | 15315 | ncrc5566 | 15371 | ncrc5671 |
| 15148 | ncrc5252 | 15204 | ncrc5359 | 15260 | ncrc5475 | 15316 | ncrc5568 | 15372 | ncrc5672 |
| 15149 | ncrc5253 | 15205 | ncrc5360 | 15261 | ncrc5481 | 15317 | ncrc5569 | 15373 | ncrc5673 |
| 15150 | ncrc5255 | 15206 | ncrc5363 | 15262 | ncrc5484 | 15318 | ncrc5571 | 15374 | ncrc5675 |
| 15151 | ncrc5257 | 15207 | ncrc5365 | 15263 | ncrc5487 | 15319 | ncrc5575 | 15375 | ncrc5677 |
| 15152 | ncrc5260 | 15208 | ncrc5367 | 15264 | ncrc5488 | 15320 | ncrc5576 | 15376 | ncrc5679 |
| 15153 | ncrc5263 | 15209 | ncrc5368 | 15265 | ncrc5489 | 15321 | ncrc5577 | 15377 | ncrc5681 |
| 15154 | ncrc5264 | 15210 | ncrc5369 | 15266 | ncrc5491 | 15322 | ncrc5580 | 15378 | ncrc5685 |
| 15155 | ncrc5265 | 15211 | ncrc5370 | 15267 | ncrc5492 | 15323 | ncrc5581 | 15379 | ncrc5688 |
| 15156 | ncrc5266 | 15212 | ncrc5371 | 15268 | ncrc5493 | 15324 | ncrc5583 | 15380 | ncrc5689 |
| 15157 | ncrc5267 | 15213 | ncrc5372 | 15269 | ncrc5496 | 15325 | ncrc5587 | 15381 | ncrc5691 |
| 15158 | ncrc5271 | 15214 | ncrc5375 | 15270 | ncrc5499 | 15326 | ncrc5588 | 15382 | ncrc5693 |
| 15159 | ncrc5273 | 15215 | ncrc5376 | 15271 | ncrc5500 | 15327 | ncrc5589 | 15383 | ncrc5695 |
| 15160 | ncrc5274 | 15216 | ncrc5378 | 15272 | ncrc5501 | 15328 | ncrc5591 | 15384 | ncrc5696 |
| 15161 | ncrc5276 | 15217 | ncrc5379 | 15273 | ncrc5502 | 15329 | ncrc5592 | 15385 | ncrc5699 |
| 15162 | ncrc5277 | 15218 | ncrc5380 | 15274 | ncrc5503 | 15330 | ncrc5593 | 15386 | ncrc5700 |
| 15163 | ncrc5280 | 15219 | ncrc5384 | 15275 | ncrc5507 | 15331 | ncrc5595 | 15387 | ncrc5705 |
| 15164 | ncrc5282 | 15220 | ncrc5385 | 15276 | ncrc5508 | 15332 | ncrc5597 | 15388 | ncrc5706 |
| 15165 | ncrc5288 | 15221 | ncrc5393 | 15277 | ncrc5512 | 15333 | ncrc5601 | 15389 | ncrc5708 |
| 15166 | ncrc5289 | 15222 | ncrc5395 | 15278 | ncrc5513 | 15334 | ncrc5603 | 15390 | ncrc5710 |
| 15167 | ncrc5291 | 15223 | ncrc5405 | 15279 | ncrc5515 | 15335 | ncrc5604 | 15391 | ncrc5713 |
| 15168 | ncrc5292 | 15224 | ncrc5413 | 15280 | ncrc5516 | 15336 | ncrc5605 | 15392 | ncrc5716 |
| 15169 | ncrc5293 | 15225 | ncrc5415 | 15281 | ncrc5518 | 15337 | ncrc5607 | 15393 | ncrc5717 |
| 15170 | ncrc5295 | 15226 | ncrc5416 | 15282 | ncrc5519 | 15338 | ncrc5608 | 15394 | ncrc5718 |
| 15171 | ncrc5296 | 15227 | ncrc5417 | 15283 | ncrc5520 | 15339 | ncrc5609 | 15395 | ncrc5719 |
| 15172 | ncrc5297 | 15228 | ncrc5419 | 15284 | ncrc5521 | 15340 | ncrc5611 | 15396 | ncrc5720 |
| 15173 | ncrc5299 | 15229 | ncrc5420 | 15285 | ncrc5523 | 15341 | ncrc5614 | 15397 | ncrc5721 |
| 15174 | ncrc5301 | 15230 | ncrc5422 | 15286 | ncrc5524 | 15342 | ncrc5616 | 15398 | ncrc5722 |
| 15175 | ncrc5303 | 15231 | ncrc5423 | 15287 | ncrc5525 | 15343 | ncrc5619 | 15399 | ncrc5724 |
| 15176 | ncrc5308 | 15232 | ncrc5424 | 15288 | ncrc5526 | 15344 | ncrc5621 | 15400 | ncrc5727 |

Figure 6C – Continued

| | | | | | | | | | |
|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|
| 15401 | ncrc5729 | 15457 | ncrc5839 | 15513 | ncrc5949 | 15569 | ncrc6072 | 15625 | ncrc6165 |
| 15402 | ncrc5731 | 15458 | ncrc5842 | 15514 | ncrc5950 | 15570 | ncrc6073 | 15626 | ncrc6171 |
| 15403 | ncrc5734 | 15459 | ncrc5843 | 15515 | ncrc5951 | 15571 | ncrc6075 | 15627 | ncrc6172 |
| 15404 | ncrc5735 | 15460 | ncrc5844 | 15516 | ncrc5954 | 15572 | ncrc6076 | 15628 | ncrc6173 |
| 15405 | ncrc5736 | 15461 | ncrc5845 | 15517 | ncrc5955 | 15573 | ncrc6077 | 15629 | ncrc6174 |
| 15406 | ncrc5737 | 15462 | ncrc5848 | 15518 | ncrc5956 | 15574 | ncrc6079 | 15630 | ncrc6175 |
| 15407 | ncrc5738 | 15463 | ncrc5850 | 15519 | ncrc5959 | 15575 | ncrc6081 | 15631 | ncrc6177 |
| 15408 | ncrc5739 | 15464 | ncrc5854 | 15520 | ncrc5960 | 15576 | ncrc6084 | 15632 | ncrc6179 |
| 15409 | ncrc5740 | 15465 | ncrc5856 | 15521 | ncrc5961 | 15577 | ncrc6087 | 15633 | ncrc6180 |
| 15410 | ncrc5744 | 15466 | ncrc5857 | 15522 | ncrc5972 | 15578 | ncrc6088 | 15634 | ncrc6181 |
| 15411 | ncrc5745 | 15467 | ncrc5863 | 15523 | ncrc5975 | 15579 | ncrc6091 | 15635 | ncrc6185 |
| 15412 | ncrc5746 | 15468 | ncrc5867 | 15524 | ncrc5977 | 15580 | ncrc6092 | 15636 | ncrc6187 |
| 15413 | ncrc5748 | 15469 | ncrc5869 | 15525 | ncrc5979 | 15581 | ncrc6096 | 15637 | ncrc6188 |
| 15414 | ncrc5751 | 15470 | ncrc5871 | 15526 | ncrc5981 | 15582 | ncrc6097 | 15638 | ncrc6190 |
| 15415 | ncrc5752 | 15471 | ncrc5872 | 15527 | ncrc5982 | 15583 | ncrc6100 | 15639 | ncrc6191 |
| 15416 | ncrc5754 | 15472 | ncrc5875 | 15528 | ncrc5993 | 15584 | ncrc6102 | 15640 | ncrc6192 |
| 15417 | ncrc5756 | 15473 | ncrc5876 | 15529 | ncrc5996 | 15585 | ncrc6104 | 15641 | ncrc6193 |
| 15418 | ncrc5758 | 15474 | ncrc5877 | 15530 | ncrc5998 | 15586 | ncrc6105 | 15642 | ncrc6195 |
| 15419 | ncrc5759 | 15475 | ncrc5881 | 15531 | ncrc5999 | 15587 | ncrc6109 | 15643 | ncrc6197 |
| 15420 | ncrc5760 | 15476 | ncrc5883 | 15532 | ncrc6000 | 15588 | ncrc6110 | 15644 | ncrc6198 |
| 15421 | ncrc5762 | 15477 | ncrc5886 | 15533 | ncrc6003 | 15589 | ncrc6112 | 15645 | ncrc6199 |
| 15422 | ncrc5763 | 15478 | ncrc5887 | 15534 | ncrc6004 | 15590 | ncrc6113 | 15646 | ncrc6200 |
| 15423 | ncrc5767 | 15479 | ncrc5888 | 15535 | ncrc6005 | 15591 | ncrc6117 | 15647 | ncrc6202 |
| 15424 | ncrc5768 | 15480 | ncrc5896 | 15536 | ncrc6006 | 15592 | ncrc6118 | 15648 | ncrc6203 |
| 15425 | ncrc5769 | 15481 | ncrc5897 | 15537 | ncrc6008 | 15593 | ncrc6119 | 15649 | ncrc6205 |
| 15426 | ncrc5772 | 15482 | ncrc5902 | 15538 | ncrc6011 | 15594 | ncrc6120 | 15650 | ncrc6211 |
| 15427 | ncrc5775 | 15483 | ncrc5904 | 15539 | ncrc6012 | 15595 | ncrc6123 | 15651 | ncrc6212 |
| 15428 | ncrc5780 | 15484 | ncrc5905 | 15540 | ncrc6015 | 15596 | ncrc6124 | 15652 | ncrc6213 |
| 15429 | ncrc5781 | 15485 | ncrc5907 | 15541 | ncrc6016 | 15597 | ncrc6126 | 15653 | ncrc6214 |
| 15430 | ncrc5783 | 15486 | ncrc5908 | 15542 | ncrc6017 | 15598 | ncrc6127 | 15654 | ncrc6216 |
| 15431 | ncrc5784 | 15487 | ncrc5909 | 15543 | ncrc6024 | 15599 | ncrc6128 | 15655 | ncrc6217 |
| 15432 | ncrc5788 | 15488 | ncrc5910 | 15544 | ncrc6025 | 15600 | ncrc6129 | 15656 | ncrc6220 |
| 15433 | ncrc5792 | 15489 | ncrc5911 | 15545 | ncrc6026 | 15601 | ncrc6130 | 15657 | ncrc6221 |
| 15434 | ncrc5793 | 15490 | ncrc5912 | 15546 | ncrc6029 | 15602 | ncrc6131 | 15658 | ncrc6222 |
| 15435 | ncrc5801 | 15491 | ncrc5914 | 15547 | ncrc6030 | 15603 | ncrc6133 | 15659 | ncrc6224 |
| 15436 | ncrc5802 | 15492 | ncrc5915 | 15548 | ncrc6031 | 15604 | ncrc6135 | 15660 | ncrc6225 |
| 15437 | ncrc5804 | 15493 | ncrc5916 | 15549 | ncrc6033 | 15605 | ncrc6136 | 15661 | ncrc6226 |
| 15438 | ncrc5806 | 15494 | ncrc5919 | 15550 | ncrc6037 | 15606 | ncrc6137 | 15662 | ncrc6228 |
| 15439 | ncrc5807 | 15495 | ncrc5921 | 15551 | ncrc6040 | 15607 | ncrc6138 | 15663 | ncrc6229 |
| 15440 | ncrc5808 | 15496 | ncrc5923 | 15552 | ncrc6041 | 15608 | ncrc6139 | 15664 | ncrc6231 |
| 15441 | ncrc5813 | 15497 | ncrc5926 | 15553 | ncrc6042 | 15609 | ncrc6141 | 15665 | ncrc6232 |
| 15442 | ncrc5814 | 15498 | ncrc5927 | 15554 | ncrc6043 | 15610 | ncrc6142 | 15666 | ncrc6234 |
| 15443 | ncrc5819 | 15499 | ncrc5928 | 15555 | ncrc6047 | 15611 | ncrc6143 | 15667 | ncrc6236 |
| 15444 | ncrc5821 | 15500 | ncrc5929 | 15556 | ncrc6049 | 15612 | ncrc6144 | 15668 | ncrc6237 |
| 15445 | ncrc5822 | 15501 | ncrc5930 | 15557 | ncrc6050 | 15613 | ncrc6146 | 15669 | ncrc6238 |
| 15446 | ncrc5823 | 15502 | ncrc5931 | 15558 | ncrc6052 | 15614 | ncrc6147 | 15670 | ncrc6239 |
| 15447 | ncrc5824 | 15503 | ncrc5932 | 15559 | ncrc6056 | 15615 | ncrc6148 | 15671 | ncrc6240 |
| 15448 | ncrc5828 | 15504 | ncrc5933 | 15560 | ncrc6058 | 15616 | ncrc6151 | 15672 | ncrc6241 |
| 15449 | ncrc5829 | 15505 | ncrc5934 | 15561 | ncrc6059 | 15617 | ncrc6153 | 15673 | ncrc6242 |
| 15450 | ncrc5830 | 15506 | ncrc5937 | 15562 | ncrc6060 | 15618 | ncrc6155 | 15674 | ncrc6243 |
| 15451 | ncrc5831 | 15507 | ncrc5939 | 15563 | ncrc6062 | 15619 | ncrc6156 | 15675 | ncrc6247 |
| 15452 | ncrc5833 | 15508 | ncrc5940 | 15564 | ncrc6063 | 15620 | ncrc6159 | 15676 | ncrc6252 |
| 15453 | ncrc5834 | 15509 | ncrc5944 | 15565 | ncrc6067 | 15621 | ncrc6160 | 15677 | ncrc6256 |
| 15454 | ncrc5835 | 15510 | ncrc5946 | 15566 | ncrc6068 | 15622 | ncrc6161 | 15678 | ncrc6257 |
| 15455 | ncrc5836 | 15511 | ncrc5947 | 15567 | ncrc6069 | 15623 | ncrc6163 | 15679 | ncrc6261 |
| 15456 | ncrc5837 | 15512 | ncrc5948 | 15568 | ncrc6071 | 15624 | ncrc6164 | 15680 | ncrc6264 |

Figure 6C – Continued

| | | | | | | | | | |
|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|
| 15681 | ncrc6265 | 15737 | ncrc6380 | 15793 | ncrc6473 | 15849 | ncrc6567 | 15905 | ncrc6666 |
| 15682 | ncrc6268 | 15738 | ncrc6382 | 15794 | ncrc6476 | 15850 | ncrc6568 | 15906 | ncrc6667 |
| 15683 | ncrc6272 | 15739 | ncrc6383 | 15795 | ncrc6478 | 15851 | ncrc6572 | 15907 | ncrc6668 |
| 15684 | ncrc6273 | 15740 | ncrc6384 | 15796 | ncrc6479 | 15852 | ncrc6574 | 15908 | ncrc6670 |
| 15685 | ncrc6276 | 15741 | ncrc6385 | 15797 | ncrc6480 | 15853 | ncrc6575 | 15909 | ncrc6671 |
| 15686 | ncrc6277 | 15742 | ncrc6387 | 15798 | ncrc6481 | 15854 | ncrc6576 | 15910 | ncrc6672 |
| 15687 | ncrc6280 | 15743 | ncrc6388 | 15799 | ncrc6483 | 15855 | ncrc6578 | 15911 | ncrc6675 |
| 15688 | ncrc6281 | 15744 | ncrc6389 | 15800 | ncrc6484 | 15856 | ncrc6581 | 15912 | ncrc6677 |
| 15689 | ncrc6283 | 15745 | ncrc6391 | 15801 | ncrc6486 | 15857 | ncrc6582 | 15913 | ncrc6678 |
| 15690 | ncrc6284 | 15746 | ncrc6392 | 15802 | ncrc6487 | 15858 | ncrc6584 | 15914 | ncrc6679 |
| 15691 | ncrc6287 | 15747 | ncrc6393 | 15803 | ncrc6488 | 15859 | ncrc6585 | 15915 | ncrc6680 |
| 15692 | ncrc6291 | 15748 | ncrc6395 | 15804 | ncrc6489 | 15860 | ncrc6586 | 15916 | ncrc6681 |
| 15693 | ncrc6292 | 15749 | ncrc6396 | 15805 | ncrc6492 | 15861 | ncrc6587 | 15917 | ncrc6682 |
| 15694 | ncrc6304 | 15750 | ncrc6399 | 15806 | ncrc6495 | 15862 | ncrc6588 | 15918 | ncrc6683 |
| 15695 | ncrc6305 | 15751 | ncrc6401 | 15807 | ncrc6496 | 15863 | ncrc6589 | 15919 | ncrc6686 |
| 15696 | ncrc6307 | 15752 | ncrc6403 | 15808 | ncrc6497 | 15864 | ncrc6591 | 15920 | ncrc6687 |
| 15697 | ncrc6308 | 15753 | ncrc6404 | 15809 | ncrc6499 | 15865 | ncrc6592 | 15921 | ncrc6688 |
| 15698 | ncrc6309 | 15754 | ncrc6405 | 15810 | ncrc6500 | 15866 | ncrc6595 | 15922 | ncrc6692 |
| 15699 | ncrc6310 | 15755 | ncrc6406 | 15811 | ncrc6501 | 15867 | ncrc6597 | 15923 | ncrc6693 |
| 15700 | ncrc6311 | 15756 | ncrc6407 | 15812 | ncrc6503 | 15868 | ncrc6600 | 15924 | ncrc6694 |
| 15701 | ncrc6312 | 15757 | ncrc6409 | 15813 | ncrc6504 | 15869 | ncrc6601 | 15925 | ncrc6695 |
| 15702 | ncrc6315 | 15758 | ncrc6411 | 15814 | ncrc6505 | 15870 | ncrc6603 | 15926 | ncrc6697 |
| 15703 | ncrc6316 | 15759 | ncrc6414 | 15815 | ncrc6506 | 15871 | ncrc6604 | 15927 | ncrc6699 |
| 15704 | ncrc6317 | 15760 | ncrc6415 | 15816 | ncrc6507 | 15872 | ncrc6605 | 15928 | ncrc6700 |
| 15705 | ncrc6318 | 15761 | ncrc6416 | 15817 | ncrc6508 | 15873 | ncrc6606 | 15929 | ncrc6703 |
| 15706 | ncrc6319 | 15762 | ncrc6417 | 15818 | ncrc6509 | 15874 | ncrc6610 | 15930 | ncrc6705 |
| 15707 | ncrc6320 | 15763 | ncrc6418 | 15819 | ncrc6510 | 15875 | ncrc6612 | 15931 | ncrc6707 |
| 15708 | ncrc6321 | 15764 | ncrc6419 | 15820 | ncrc6511 | 15876 | ncrc6613 | 15932 | ncrc6708 |
| 15709 | ncrc6322 | 15765 | ncrc6420 | 15821 | ncrc6512 | 15877 | ncrc6615 | 15933 | ncrc6709 |
| 15710 | ncrc6323 | 15766 | ncrc6421 | 15822 | ncrc6515 | 15878 | ncrc6617 | 15934 | ncrc6712 |
| 15711 | ncrc6324 | 15767 | ncrc6423 | 15823 | ncrc6521 | 15879 | ncrc6619 | 15935 | ncrc6715 |
| 15712 | ncrc6325 | 15768 | ncrc6428 | 15824 | ncrc6522 | 15880 | ncrc6620 | 15936 | ncrc6716 |
| 15713 | ncrc6327 | 15769 | ncrc6433 | 15825 | ncrc6523 | 15881 | ncrc6621 | 15937 | ncrc6717 |
| 15714 | ncrc6330 | 15770 | ncrc6434 | 15826 | ncrc6524 | 15882 | ncrc6623 | 15938 | ncrc6718 |
| 15715 | ncrc6331 | 15771 | ncrc6435 | 15827 | ncrc6525 | 15883 | ncrc6626 | 15939 | ncrc6719 |
| 15716 | ncrc6332 | 15772 | ncrc6439 | 15828 | ncrc6526 | 15884 | ncrc6628 | 15940 | ncrc6720 |
| 15717 | ncrc6336 | 15773 | ncrc6440 | 15829 | ncrc6527 | 15885 | ncrc6632 | 15941 | ncrc6721 |
| 15718 | ncrc6339 | 15774 | ncrc6443 | 15830 | ncrc6528 | 15886 | ncrc6635 | 15942 | ncrc6722 |
| 15719 | ncrc6340 | 15775 | ncrc6444 | 15831 | ncrc6530 | 15887 | ncrc6636 | 15943 | ncrc6723 |
| 15720 | ncrc6345 | 15776 | ncrc6449 | 15832 | ncrc6531 | 15888 | ncrc6637 | 15944 | ncrc6724 |
| 15721 | ncrc6347 | 15777 | ncrc6451 | 15833 | ncrc6535 | 15889 | ncrc6641 | 15945 | ncrc6728 |
| 15722 | ncrc6348 | 15778 | ncrc6452 | 15834 | ncrc6537 | 15890 | ncrc6643 | 15946 | ncrc6729 |
| 15723 | ncrc6352 | 15779 | ncrc6453 | 15835 | ncrc6539 | 15891 | ncrc6644 | 15947 | ncrc6731 |
| 15724 | ncrc6353 | 15780 | ncrc6455 | 15836 | ncrc6541 | 15892 | ncrc6647 | 15948 | ncrc6732 |
| 15725 | ncrc6356 | 15781 | ncrc6456 | 15837 | ncrc6544 | 15893 | ncrc6648 | 15949 | ncrc6735 |
| 15726 | ncrc6359 | 15782 | ncrc6457 | 15838 | ncrc6545 | 15894 | ncrc6649 | 15950 | ncrc6739 |
| 15727 | ncrc6360 | 15783 | ncrc6459 | 15839 | ncrc6548 | 15895 | ncrc6651 | 15951 | ncrc6741 |
| 15728 | ncrc6363 | 15784 | ncrc6460 | 15840 | ncrc6549 | 15896 | ncrc6652 | 15952 | ncrc6745 |
| 15729 | ncrc6367 | 15785 | ncrc6461 | 15841 | ncrc6552 | 15897 | ncrc6654 | 15953 | ncrc6747 |
| 15730 | ncrc6369 | 15786 | ncrc6462 | 15842 | ncrc6553 | 15898 | ncrc6655 | 15954 | ncrc6748 |
| 15731 | ncrc6371 | 15787 | ncrc6465 | 15843 | ncrc6556 | 15899 | ncrc6656 | 15955 | ncrc6749 |
| 15732 | ncrc6373 | 15788 | ncrc6467 | 15844 | ncrc6557 | 15900 | ncrc6659 | 15956 | ncrc6753 |
| 15733 | ncrc6375 | 15789 | ncrc6468 | 15845 | ncrc6560 | 15901 | ncrc6660 | 15957 | ncrc6755 |
| 15734 | ncrc6376 | 15790 | ncrc6469 | 15846 | ncrc6561 | 15902 | ncrc6661 | 15958 | ncrc6756 |
| 15735 | ncrc6377 | 15791 | ncrc6471 | 15847 | ncrc6564 | 15903 | ncrc6664 | 15959 | ncrc6757 |
| 15736 | ncrc6379 | 15792 | ncrc6472 | 15848 | ncrc6565 | 15904 | ncrc6665 | 15960 | ncrc6759 |

Figure 6C - Continued

| | | | | | | | | | |
|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|
| 15961 | ncrc6760 | 16017 | ncrc6870 | 16073 | ncrc6981 | 16129 | ncrc7081 | 16185 | ncrc7186 |
| 15962 | ncrc6763 | 16018 | ncrc6871 | 16074 | ncrc6982 | 16130 | ncrc7082 | 16186 | ncrc7188 |
| 15963 | ncrc6768 | 16019 | ncrc6872 | 16075 | ncrc6984 | 16131 | ncrc7083 | 16187 | ncrc7189 |
| 15964 | ncrc6774 | 16020 | ncrc6873 | 16076 | ncrc6985 | 16132 | ncrc7085 | 16188 | ncrc7192 |
| 15965 | ncrc6776 | 16021 | ncrc6874 | 16077 | ncrc6986 | 16133 | ncrc7086 | 16189 | ncrc7193 |
| 15966 | ncrc6777 | 16022 | ncrc6875 | 16078 | ncrc6988 | 16134 | ncrc7090 | 16190 | ncrc7195 |
| 15967 | ncrc6778 | 16023 | ncrc6878 | 16079 | ncrc6991 | 16135 | ncrc7091 | 16191 | ncrc7196 |
| 15968 | ncrc6782 | 16024 | ncrc6881 | 16080 | ncrc6992 | 16136 | ncrc7092 | 16192 | ncrc8833 |
| 15969 | ncrc6783 | 16025 | ncrc6883 | 16081 | ncrc6993 | 16137 | ncrc7096 | 16193 | ncrc8834 |
| 15970 | ncrc6784 | 16026 | ncrc6888 | 16082 | ncrc6994 | 16138 | ncrc7097 | 16194 | ncrc8835 |
| 15971 | ncrc6787 | 16027 | ncrc6889 | 16083 | ncrc6995 | 16139 | ncrc7098 | 16195 | ncrc8836 |
| 15972 | ncrc6789 | 16028 | ncrc6890 | 16084 | ncrc6996 | 16140 | ncrc7099 | 16196 | ncrc8837 |
| 15973 | ncrc6790 | 16029 | ncrc6895 | 16085 | ncrc6997 | 16141 | ncrc7100 | 16197 | ncrc8839 |
| 15974 | ncrc6794 | 16030 | ncrc6896 | 16086 | ncrc7000 | 16142 | ncrc7102 | 16198 | ncrc8841 |
| 15975 | ncrc6795 | 16031 | ncrc6897 | 16087 | ncrc7002 | 16143 | ncrc7104 | 16199 | ncrc8844 |
| 15976 | ncrc6796 | 16032 | ncrc6899 | 16088 | ncrc7003 | 16144 | ncrc7105 | 16200 | ncrc8846 |
| 15977 | ncrc6798 | 16033 | ncrc6900 | 16089 | ncrc7005 | 16145 | ncrc7107 | 16201 | ncrc8847 |
| 15978 | ncrc6800 | 16034 | ncrc6905 | 16090 | ncrc7006 | 16146 | ncrc7108 | 16202 | ncrc8848 |
| 15979 | ncrc6801 | 16035 | ncrc6907 | 16091 | ncrc7007 | 16147 | ncrc7113 | 16203 | ncrc8849 |
| 15980 | ncrc6803 | 16036 | ncrc6908 | 16092 | ncrc7008 | 16148 | ncrc7116 | 16204 | ncrc8851 |
| 15981 | ncrc6804 | 16037 | ncrc6912 | 16093 | ncrc7009 | 16149 | ncrc7120 | 16205 | ncrc8852 |
| 15982 | ncrc6805 | 16038 | ncrc6913 | 16094 | ncrc7010 | 16150 | ncrc7121 | 16206 | ncrc8853 |
| 15983 | ncrc6810 | 16039 | ncrc6915 | 16095 | ncrc7012 | 16151 | ncrc7123 | 16207 | ncrc8855 |
| 15984 | ncrc6811 | 16040 | ncrc6920 | 16096 | ncrc7016 | 16152 | ncrc7125 | 16208 | ncrc8856 |
| 15985 | ncrc6813 | 16041 | ncrc6921 | 16097 | ncrc7023 | 16153 | ncrc7127 | 16209 | ncrc8859 |
| 15986 | ncrc6814 | 16042 | ncrc6924 | 16098 | ncrc7024 | 16154 | ncrc7128 | 16210 | ncrc8860 |
| 15987 | ncrc6815 | 16043 | ncrc6925 | 16099 | ncrc7027 | 16155 | ncrc7131 | 16211 | ncrc8861 |
| 15988 | ncrc6817 | 16044 | ncrc6927 | 16100 | ncrc7028 | 16156 | ncrc7132 | 16212 | ncrc8862 |
| 15989 | ncrc6818 | 16045 | ncrc6928 | 16101 | ncrc7029 | 16157 | ncrc7134 | 16213 | ncrc8863 |
| 15990 | ncrc6819 | 16046 | ncrc6929 | 16102 | ncrc7035 | 16158 | ncrc7136 | 16214 | ncrc8865 |
| 15991 | ncrc6823 | 16047 | ncrc6931 | 16103 | ncrc7038 | 16159 | ncrc7137 | 16215 | ncrc8867 |
| 15992 | ncrc6825 | 16048 | ncrc6932 | 16104 | ncrc7039 | 16160 | ncrc7139 | 16216 | ncrc8871 |
| 15993 | ncrc6827 | 16049 | ncrc6935 | 16105 | ncrc7040 | 16161 | ncrc7144 | 16217 | ncrc8873 |
| 15994 | ncrc6831 | 16050 | ncrc6936 | 16106 | ncrc7041 | 16162 | ncrc7146 | 16218 | ncrc8876 |
| 15995 | ncrc6832 | 16051 | ncrc6937 | 16107 | ncrc7043 | 16163 | ncrc7148 | 16219 | ncrc8878 |
| 15996 | ncrc6833 | 16052 | ncrc6939 | 16108 | ncrc7044 | 16164 | ncrc7151 | 16220 | ncrc8879 |
| 15997 | ncrc6839 | 16053 | ncrc6941 | 16109 | ncrc7045 | 16165 | ncrc7153 | 16221 | ncrc8880 |
| 15998 | ncrc6840 | 16054 | ncrc6944 | 16110 | ncrc7049 | 16166 | ncrc7155 | 16222 | ncrc8881 |
| 15999 | ncrc6841 | 16055 | ncrc6945 | 16111 | ncrc7050 | 16167 | ncrc7156 | 16223 | ncrc8883 |
| 16000 | ncrc6843 | 16056 | ncrc6947 | 16112 | ncrc7051 | 16168 | ncrc7158 | 16224 | ncrc8884 |
| 16001 | ncrc6844 | 16057 | ncrc6948 | 16113 | ncrc7052 | 16169 | ncrc7159 | 16225 | ncrc8887 |
| 16002 | ncrc6846 | 16058 | ncrc6949 | 16114 | ncrc7055 | 16170 | ncrc7160 | 16226 | ncrc8888 |
| 16003 | ncrc6848 | 16059 | ncrc6953 | 16115 | ncrc7056 | 16171 | ncrc7161 | 16227 | ncrc8889 |
| 16004 | ncrc6849 | 16060 | ncrc6954 | 16116 | ncrc7057 | 16172 | ncrc7162 | 16228 | ncrc8891 |
| 16005 | ncrc6852 | 16061 | ncrc6955 | 16117 | ncrc7060 | 16173 | ncrc7163 | 16229 | ncrc8892 |
| 16006 | ncrc6853 | 16062 | ncrc6959 | 16118 | ncrc7062 | 16174 | ncrc7165 | 16230 | ncrc8893 |
| 16007 | ncrc6856 | 16063 | ncrc6961 | 16119 | ncrc7065 | 16175 | ncrc7168 | 16231 | ncrc8895 |
| 16008 | ncrc6857 | 16064 | ncrc6964 | 16120 | ncrc7066 | 16176 | ncrc7169 | 16232 | ncrc8896 |
| 16009 | ncrc6859 | 16065 | ncrc6965 | 16121 | ncrc7067 | 16177 | ncrc7171 | 16233 | ncrc8897 |
| 16010 | ncrc6860 | 16066 | ncrc6966 | 16122 | ncrc7068 | 16178 | ncrc7173 | 16234 | ncrc8901 |
| 16011 | ncrc6861 | 16067 | ncrc6970 | 16123 | ncrc7069 | 16179 | ncrc7174 | 16235 | ncrc8903 |
| 16012 | ncrc6862 | 16068 | ncrc6972 | 16124 | ncrc7070 | 16180 | ncrc7179 | 16236 | ncrc8904 |
| 16013 | ncrc6863 | 16069 | ncrc6974 | 16125 | ncrc7071 | 16181 | ncrc7180 | 16237 | ncrc8907 |
| 16014 | ncrc6864 | 16070 | ncrc6976 | 16126 | ncrc7076 | 16182 | ncrc7181 | 16238 | ncrc8908 |
| 16015 | ncrc6867 | 16071 | ncrc6977 | 16127 | ncrc7078 | 16183 | ncrc7184 | 16239 | ncrc8909 |
| 16016 | ncrc6868 | 16072 | ncrc6979 | 16128 | ncrc7080 | 16184 | ncrc7185 | 16240 | ncrc8910 |

Figure 6C -- Continued

| | | | | | | | | | |
|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|
| 16241 | ncrc8911 | 16297 | ncrc8995 | 16353 | ncrc9071 | 16409 | ncrc9160 | 16465 | ncrc9237 |
| 16242 | ncrc8912 | 16298 | ncrc8997 | 16354 | ncrc9073 | 16410 | ncrc9161 | 16466 | ncrc9239 |
| 16243 | ncrc8915 | 16299 | ncrc8998 | 16355 | ncrc9077 | 16411 | ncrc9163 | 16467 | ncrc9240 |
| 16244 | ncrc8916 | 16300 | ncrc8999 | 16356 | ncrc9078 | 16412 | ncrc9164 | 16468 | ncrc9242 |
| 16245 | ncrc8917 | 16301 | ncrc9000 | 16357 | ncrc9079 | 16413 | ncrc9166 | 16469 | ncrc9243 |
| 16246 | ncrc8919 | 16302 | ncrc9002 | 16358 | ncrc9080 | 16414 | ncrc9167 | 16470 | ncrc9244 |
| 16247 | ncrc8920 | 16303 | ncrc9003 | 16359 | ncrc9081 | 16415 | ncrc9168 | 16471 | ncrc9245 |
| 16248 | ncrc8921 | 16304 | ncrc9004 | 16360 | ncrc9082 | 16416 | ncrc9169 | 16472 | ncrc9246 |
| 16249 | ncrc8922 | 16305 | ncrc9005 | 16361 | ncrc9083 | 16417 | ncrc9172 | 16473 | ncrc9247 |
| 16250 | ncrc8923 | 16306 | ncrc9006 | 16362 | ncrc9084 | 16418 | ncrc9173 | 16474 | ncrc9248 |
| 16251 | ncrc8924 | 16307 | ncrc9007 | 16363 | ncrc9085 | 16419 | ncrc9174 | 16475 | ncrc9249 |
| 16252 | ncrc8925 | 16308 | ncrc9008 | 16364 | ncrc9086 | 16420 | ncrc9175 | 16476 | ncrc9250 |
| 16253 | ncrc8926 | 16309 | ncrc9009 | 16365 | ncrc9088 | 16421 | ncrc9177 | 16477 | ncrc9251 |
| 16254 | ncrc8927 | 16310 | ncrc9010 | 16366 | ncrc9090 | 16422 | ncrc9178 | 16478 | ncrc9252 |
| 16255 | ncrc8928 | 16311 | ncrc9011 | 16367 | ncrc9092 | 16423 | ncrc9179 | 16479 | ncrc9253 |
| 16256 | ncrc8930 | 16312 | ncrc9012 | 16368 | ncrc9093 | 16424 | ncrc9180 | 16480 | ncrc9254 |
| 16257 | ncrc8932 | 16313 | ncrc9013 | 16369 | ncrc9094 | 16425 | ncrc9181 | 16481 | ncrc9255 |
| 16258 | ncrc8933 | 16314 | ncrc9015 | 16370 | ncrc9095 | 16426 | ncrc9182 | 16482 | ncrc9256 |
| 16259 | ncrc8935 | 16315 | ncrc9016 | 16371 | ncrc9096 | 16427 | ncrc9183 | 16483 | ncrc9257 |
| 16260 | ncrc8937 | 16316 | ncrc9018 | 16372 | ncrc9098 | 16428 | ncrc9185 | 16484 | ncrc9258 |
| 16261 | ncrc8939 | 16317 | ncrc9019 | 16373 | ncrc9100 | 16429 | ncrc9187 | 16485 | ncrc9259 |
| 16262 | ncrc8940 | 16318 | ncrc9020 | 16374 | ncrc9101 | 16430 | ncrc9188 | 16486 | ncrc9260 |
| 16263 | ncrc8942 | 16319 | ncrc9021 | 16375 | ncrc9103 | 16431 | ncrc9189 | 16487 | ncrc9261 |
| 16264 | ncrc8943 | 16320 | ncrc9022 | 16376 | ncrc9105 | 16432 | ncrc9190 | 16488 | ncrc9262 |
| 16265 | ncrc8944 | 16321 | ncrc9023 | 16377 | ncrc9106 | 16433 | ncrc9191 | 16489 | ncrc9263 |
| 16266 | ncrc8945 | 16322 | ncrc9024 | 16378 | ncrc9107 | 16434 | ncrc9193 | 16490 | ncrc9267 |
| 16267 | ncrc8947 | 16323 | ncrc9025 | 16379 | ncrc9108 | 16435 | ncrc9194 | 16491 | ncrc9268 |
| 16268 | ncrc8948 | 16324 | ncrc9026 | 16380 | ncrc9112 | 16436 | ncrc9195 | 16492 | ncrc9269 |
| 16269 | ncrc8949 | 16325 | ncrc9027 | 16381 | ncrc9113 | 16437 | ncrc9196 | 16493 | ncrc9270 |
| 16270 | ncrc8951 | 16326 | ncrc9028 | 16382 | ncrc9114 | 16438 | ncrc9197 | 16494 | ncrc9271 |
| 16271 | ncrc8952 | 16327 | ncrc9031 | 16383 | ncrc9115 | 16439 | ncrc9200 | 16495 | ncrc9272 |
| 16272 | ncrc8954 | 16328 | ncrc9032 | 16384 | ncrc9116 | 16440 | ncrc9201 | 16496 | ncrc9273 |
| 16273 | ncrc8955 | 16329 | ncrc9033 | 16385 | ncrc9117 | 16441 | ncrc9202 | 16497 | ncrc9274 |
| 16274 | ncrc8956 | 16330 | ncrc9035 | 16386 | ncrc9118 | 16442 | ncrc9203 | 16498 | ncrc9276 |
| 16275 | ncrc8959 | 16331 | ncrc9037 | 16387 | ncrc9119 | 16443 | ncrc9204 | 16499 | ncrc9278 |
| 16276 | ncrc8961 | 16332 | ncrc9039 | 16388 | ncrc9120 | 16444 | ncrc9205 | 16500 | ncrc9279 |
| 16277 | ncrc8963 | 16333 | ncrc9040 | 16389 | ncrc9121 | 16445 | ncrc9207 | 16501 | ncrc9280 |
| 16278 | ncrc8964 | 16334 | ncrc9041 | 16390 | ncrc9124 | 16446 | ncrc9208 | 16502 | ncrc9281 |
| 16279 | ncrc8965 | 16335 | ncrc9043 | 16391 | ncrc9127 | 16447 | ncrc9210 | 16503 | ncrc9283 |
| 16280 | ncrc8967 | 16336 | ncrc9044 | 16392 | ncrc9128 | 16448 | ncrc9211 | 16504 | ncrc9284 |
| 16281 | ncrc8968 | 16337 | ncrc9047 | 16393 | ncrc9131 | 16449 | ncrc9212 | 16505 | ncrc9285 |
| 16282 | ncrc8969 | 16338 | ncrc9048 | 16394 | ncrc9132 | 16450 | ncrc9215 | 16506 | ncrc9286 |
| 16283 | ncrc8970 | 16339 | ncrc9049 | 16395 | ncrc9135 | 16451 | ncrc9217 | 16507 | ncrc9288 |
| 16284 | ncrc8971 | 16340 | ncrc9050 | 16396 | ncrc9136 | 16452 | ncrc9218 | 16508 | ncrc9289 |
| 16285 | ncrc8975 | 16341 | ncrc9051 | 16397 | ncrc9139 | 16453 | ncrc9220 | 16509 | ncrc9290 |
| 16286 | ncrc8976 | 16342 | ncrc9052 | 16398 | ncrc9140 | 16454 | ncrc9223 | 16510 | ncrc9291 |
| 16287 | ncrc8977 | 16343 | ncrc9053 | 16399 | ncrc9141 | 16455 | ncrc9224 | 16511 | ncrc9292 |
| 16288 | ncrc8979 | 16344 | ncrc9055 | 16400 | ncrc9145 | 16456 | ncrc9225 | 16512 | ncrc9293 |
| 16289 | ncrc8982 | 16345 | ncrc9056 | 16401 | ncrc9147 | 16457 | ncrc9227 | 16513 | ncrc9294 |
| 16290 | ncrc8983 | 16346 | ncrc9057 | 16402 | ncrc9148 | 16458 | ncrc9228 | 16514 | ncrc9295 |
| 16291 | ncrc8984 | 16347 | ncrc9060 | 16403 | ncrc9149 | 16459 | ncrc9229 | 16515 | ncrc9296 |
| 16292 | ncrc8987 | 16348 | ncrc9061 | 16404 | ncrc9152 | 16460 | ncrc9230 | 16516 | ncrc9298 |
| 16293 | ncrc8988 | 16349 | ncrc9063 | 16405 | ncrc9153 | 16461 | ncrc9231 | 16517 | ncrc9299 |
| 16294 | ncrc8990 | 16350 | ncrc9064 | 16406 | ncrc9155 | 16462 | ncrc9232 | 16518 | ncrc9300 |
| 16295 | ncrc8991 | 16351 | ncrc9065 | 16407 | ncrc9157 | 16463 | ncrc9233 | 16519 | ncrc9301 |
| 16296 | ncrc8992 | 16352 | ncrc9067 | 16408 | ncrc9159 | 16464 | ncrc9235 | 16520 | ncrc9304 |

Figure 6C – Continued

| | | | | | | | | | |
|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|
| 16521 | ncrc9305 | 16577 | ncrc9384 | 16633 | ncrc9464 | 16689 | ncrc9548 | 16745 | ncrc9639 |
| 16522 | ncrc9306 | 16578 | ncrc9385 | 16634 | ncrc9466 | 16690 | ncrc9549 | 16746 | ncrc9641 |
| 16523 | ncrc9307 | 16579 | ncrc9386 | 16635 | ncrc9467 | 16691 | ncrc9550 | 16747 | ncrc9642 |
| 16524 | ncrc9308 | 16580 | ncrc9387 | 16636 | ncrc9468 | 16692 | ncrc9551 | 16748 | ncrc9643 |
| 16525 | ncrc9309 | 16581 | ncrc9390 | 16637 | ncrc9469 | 16693 | ncrc9552 | 16749 | ncrc9646 |
| 16526 | ncrc9310 | 16582 | ncrc9391 | 16638 | ncrc9470 | 16694 | ncrc9555 | 16750 | ncrc9647 |
| 16527 | ncrc9311 | 16583 | ncrc9392 | 16639 | ncrc9471 | 16695 | ncrc9557 | 16751 | ncrc9648 |
| 16528 | ncrc9312 | 16584 | ncrc9393 | 16640 | ncrc9472 | 16696 | ncrc9558 | 16752 | ncrc9649 |
| 16529 | ncrc9313 | 16585 | ncrc9394 | 16641 | ncrc9473 | 16697 | ncrc9560 | 16753 | ncrc9651 |
| 16530 | ncrc9315 | 16586 | ncrc9396 | 16642 | ncrc9474 | 16698 | ncrc9561 | 16754 | ncrc9652 |
| 16531 | ncrc9316 | 16587 | ncrc9397 | 16643 | ncrc9475 | 16699 | ncrc9562 | 16755 | ncrc9653 |
| 16532 | ncrc9318 | 16588 | ncrc9399 | 16644 | ncrc9478 | 16700 | ncrc9563 | 16756 | ncrc9654 |
| 16533 | ncrc9320 | 16589 | ncrc9400 | 16645 | ncrc9480 | 16701 | ncrc9564 | 16757 | ncrc9655 |
| 16534 | ncrc9321 | 16590 | ncrc9401 | 16646 | ncrc9481 | 16702 | ncrc9566 | 16758 | ncrc9656 |
| 16535 | ncrc9322 | 16591 | ncrc9403 | 16647 | ncrc9483 | 16703 | ncrc9567 | 16759 | ncrc9658 |
| 16536 | ncrc9323 | 16592 | ncrc9404 | 16648 | ncrc9484 | 16704 | ncrc9570 | 16760 | ncrc9659 |
| 16537 | ncrc9324 | 16593 | ncrc9405 | 16649 | ncrc9485 | 16705 | ncrc9572 | 16761 | ncrc9660 |
| 16538 | ncrc9325 | 16594 | ncrc9406 | 16650 | ncrc9486 | 16706 | ncrc9573 | 16762 | ncrc9661 |
| 16539 | ncrc9326 | 16595 | ncrc9408 | 16651 | ncrc9487 | 16707 | ncrc9574 | 16763 | ncrc9664 |
| 16540 | ncrc9327 | 16596 | ncrc9410 | 16652 | ncrc9488 | 16708 | ncrc9576 | 16764 | ncrc9669 |
| 16541 | ncrc9328 | 16597 | ncrc9411 | 16653 | ncrc9489 | 16709 | ncrc9578 | 16765 | ncrc9671 |
| 16542 | ncrc9329 | 16598 | ncrc9412 | 16654 | ncrc9491 | 16710 | ncrc9579 | 16766 | ncrc9672 |
| 16543 | ncrc9331 | 16599 | ncrc9415 | 16655 | ncrc9492 | 16711 | ncrc9581 | 16767 | ncrc9673 |
| 16544 | ncrc9332 | 16600 | ncrc9417 | 16656 | ncrc9493 | 16712 | ncrc9582 | 16768 | ncrc9674 |
| 16545 | ncrc9335 | 16601 | ncrc9420 | 16657 | ncrc9495 | 16713 | ncrc9583 | 16769 | ncrc9676 |
| 16546 | ncrc9336 | 16602 | ncrc9421 | 16658 | ncrc9496 | 16714 | ncrc9584 | 16770 | ncrc9677 |
| 16547 | ncrc9338 | 16603 | ncrc9424 | 16659 | ncrc9497 | 16715 | ncrc9585 | 16771 | ncrc9678 |
| 16548 | ncrc9339 | 16604 | ncrc9425 | 16660 | ncrc9498 | 16716 | ncrc9586 | 16772 | ncrc9679 |
| 16549 | ncrc9340 | 16605 | ncrc9427 | 16661 | ncrc9499 | 16717 | ncrc9587 | 16773 | ncrc9680 |
| 16550 | ncrc9342 | 16606 | ncrc9428 | 16662 | ncrc9500 | 16718 | ncrc9588 | 16774 | ncrc9681 |
| 16551 | ncrc9343 | 16607 | ncrc9429 | 16663 | ncrc9502 | 16719 | ncrc9591 | 16775 | ncrc9682 |
| 16552 | ncrc9344 | 16608 | ncrc9431 | 16664 | ncrc9503 | 16720 | ncrc9592 | 16776 | ncrc9683 |
| 16553 | ncrc9345 | 16609 | ncrc9432 | 16665 | ncrc9504 | 16721 | ncrc9593 | 16777 | ncrc9684 |
| 16554 | ncrc9347 | 16610 | ncrc9433 | 16666 | ncrc9505 | 16722 | ncrc9594 | 16778 | ncrc9685 |
| 16555 | ncrc9349 | 16611 | ncrc9434 | 16667 | ncrc9506 | 16723 | ncrc9596 | 16779 | ncrc9687 |
| 16556 | ncrc9351 | 16612 | ncrc9435 | 16668 | ncrc9507 | 16724 | ncrc9597 | 16780 | ncrc9688 |
| 16557 | ncrc9354 | 16613 | ncrc9436 | 16669 | ncrc9508 | 16725 | ncrc9598 | 16781 | ncrc9689 |
| 16558 | ncrc9355 | 16614 | ncrc9437 | 16670 | ncrc9513 | 16726 | ncrc9601 | 16782 | ncrc9691 |
| 16559 | ncrc9356 | 16615 | ncrc9438 | 16671 | ncrc9514 | 16727 | ncrc9603 | 16783 | ncrc9692 |
| 16560 | ncrc9358 | 16616 | ncrc9439 | 16672 | ncrc9515 | 16728 | ncrc9604 | 16784 | ncrc9694 |
| 16561 | ncrc9359 | 16617 | ncrc9440 | 16673 | ncrc9517 | 16729 | ncrc9607 | 16785 | ncrc9695 |
| 16562 | ncrc9360 | 16618 | ncrc9443 | 16674 | ncrc9519 | 16730 | ncrc9608 | 16786 | ncrc9696 |
| 16563 | ncrc9361 | 16619 | ncrc9445 | 16675 | ncrc9523 | 16731 | ncrc9611 | 16787 | ncrc9697 |
| 16564 | ncrc9363 | 16620 | ncrc9446 | 16676 | ncrc9524 | 16732 | ncrc9612 | 16788 | ncrc9698 |
| 16565 | ncrc9364 | 16621 | ncrc9447 | 16677 | ncrc9525 | 16733 | ncrc9615 | 16789 | ncrc9700 |
| 16566 | ncrc9365 | 16622 | ncrc9448 | 16678 | ncrc9527 | 16734 | ncrc9616 | 16790 | ncrc9703 |
| 16567 | ncrc9366 | 16623 | ncrc9450 | 16679 | ncrc9528 | 16735 | ncrc9617 | 16791 | ncrc9704 |
| 16568 | ncrc9368 | 16624 | ncrc9451 | 16680 | ncrc9530 | 16736 | ncrc9619 | 16792 | ncrc9705 |
| 16569 | ncrc9369 | 16625 | ncrc9452 | 16681 | ncrc9531 | 16737 | ncrc9620 | 16793 | ncrc9707 |
| 16570 | ncrc9370 | 16626 | ncrc9455 | 16682 | ncrc9535 | 16738 | ncrc9625 | 16794 | ncrc9708 |
| 16571 | ncrc9371 | 16627 | ncrc9456 | 16683 | ncrc9539 | 16739 | ncrc9627 | 16795 | ncrc9709 |
| 16572 | ncrc9372 | 16628 | ncrc9457 | 16684 | ncrc9542 | 16740 | ncrc9629 | 16796 | ncrc9710 |
| 16573 | ncrc9376 | 16629 | ncrc9460 | 16685 | ncrc9543 | 16741 | ncrc9631 | 16797 | ncrc9711 |
| 16574 | ncrc9377 | 16630 | ncrc9461 | 16686 | ncrc9545 | 16742 | ncrc9633 | 16798 | ncrc9712 |
| 16575 | ncrc9381 | 16631 | ncrc9462 | 16687 | ncrc9546 | 16743 | ncrc9635 | 16799 | ncrc9716 |
| 16576 | ncrc9382 | 16632 | ncrc9463 | 16688 | ncrc9547 | 16744 | ncrc9637 | 16800 | ncrc9717 |

Figure 6C – Continued

| | | | | | | | | | |
|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|
| 16801 | ncrc9720 | 16836 | ncrc9772 | 16871 | ncrc9832 | 16906 | ncrc9885 | 16941 | ncrc9941 |
| 16802 | ncrc9721 | 16837 | ncrc9773 | 16872 | ncrc9834 | 16907 | ncrc9886 | 16942 | ncrc9942 |
| 16803 | ncrc9722 | 16838 | ncrc9774 | 16873 | ncrc9835 | 16908 | ncrc9888 | 16943 | ncrc9943 |
| 16804 | ncrc9723 | 16839 | ncrc9775 | 16874 | ncrc9836 | 16909 | ncrc9890 | 16944 | ncrc9944 |
| 16805 | ncrc9724 | 16840 | ncrc9776 | 16875 | ncrc9838 | 16910 | ncrc9891 | 16945 | ncrc9945 |
| 16806 | ncrc9725 | 16841 | ncrc9777 | 16876 | ncrc9841 | 16911 | ncrc9892 | 16946 | ncrc9947 |
| 16807 | ncrc9726 | 16842 | ncrc9778 | 16877 | ncrc9843 | 16912 | ncrc9894 | 16947 | ncrc9948 |
| 16808 | ncrc9727 | 16843 | ncrc9779 | 16878 | ncrc9844 | 16913 | ncrc9899 | 16948 | ncrc9949 |
| 16809 | ncrc9728 | 16844 | ncrc9783 | 16879 | ncrc9846 | 16914 | ncrc9900 | 16949 | ncrc9952 |
| 16810 | ncrc9729 | 16845 | ncrc9784 | 16880 | ncrc9847 | 16915 | ncrc9901 | 16950 | ncrc9954 |
| 16811 | ncrc9735 | 16846 | ncrc9786 | 16881 | ncrc9849 | 16916 | ncrc9903 | 16951 | ncrc9955 |
| 16812 | ncrc9736 | 16847 | ncrc9787 | 16882 | ncrc9850 | 16917 | ncrc9904 | 16952 | ncrc9956 |
| 16813 | ncrc9737 | 16848 | ncrc9790 | 16883 | ncrc9851 | 16918 | ncrc9905 | 16953 | ncrc9957 |
| 16814 | ncrc9738 | 16849 | ncrc9793 | 16884 | ncrc9852 | 16919 | ncrc9908 | 16954 | ncrc9958 |
| 16815 | ncrc9739 | 16850 | ncrc9794 | 16885 | ncrc9855 | 16920 | ncrc9909 | 16955 | ncrc9959 |
| 16816 | ncrc9742 | 16851 | ncrc9795 | 16886 | ncrc9858 | 16921 | ncrc9910 | 16956 | ncrc9960 |
| 16817 | ncrc9743 | 16852 | ncrc9796 | 16887 | ncrc9859 | 16922 | ncrc9911 | 16957 | ncrc9961 |
| 16818 | ncrc9744 | 16853 | ncrc9798 | 16888 | ncrc9860 | 16923 | ncrc9912 | 16958 | ncrc9962 |
| 16819 | ncrc9745 | 16854 | ncrc9802 | 16889 | ncrc9861 | 16924 | ncrc9913 | 16959 | ncrc9966 |
| 16820 | ncrc9747 | 16855 | ncrc9804 | 16890 | ncrc9862 | 16925 | ncrc9914 | 16960 | ncrc9967 |
| 16821 | ncrc9748 | 16856 | ncrc9805 | 16891 | ncrc9863 | 16926 | ncrc9916 | 16961 | ncrc9969 |
| 16822 | ncrc9749 | 16857 | ncrc9807 | 16892 | ncrc9864 | 16927 | ncrc9917 | 16962 | ncrc9970 |
| 16823 | ncrc9750 | 16858 | ncrc9808 | 16893 | ncrc9865 | 16928 | ncrc9919 | 16963 | ncrc9972 |
| 16824 | ncrc9751 | 16859 | ncrc9809 | 16894 | ncrc9866 | 16929 | ncrc9920 | 16964 | ncrc9973 |
| 16825 | ncrc9752 | 16860 | ncrc9811 | 16895 | ncrc9867 | 16930 | ncrc9921 | 16965 | ncrc9975 |
| 16826 | ncrc9754 | 16861 | ncrc9813 | 16896 | ncrc9869 | 16931 | ncrc9923 | 16966 | ncrc9976 |
| 16827 | ncrc9757 | 16862 | ncrc9815 | 16897 | ncrc9871 | 16932 | ncrc9924 | 16967 | ncrc9978 |
| 16828 | ncrc9758 | 16863 | ncrc9817 | 16898 | ncrc9872 | 16933 | ncrc9925 | 16968 | ncrc9980 |
| 16829 | ncrc9759 | 16864 | ncrc9819 | 16899 | ncrc9874 | 16934 | ncrc9928 | 16969 | ncrc9982 |
| 16830 | ncrc9760 | 16865 | ncrc9821 | 16900 | ncrc9875 | 16935 | ncrc9929 | 16970 | ncrc9983 |
| 16831 | ncrc9763 | 16866 | ncrc9822 | 16901 | ncrc9877 | 16936 | ncrc9935 | | |
| 16832 | ncrc9766 | 16867 | ncrc9823 | 16902 | ncrc9879 | 16937 | ncrc9936 | | |
| 16833 | ncrc9768 | 16868 | ncrc9825 | 16903 | ncrc9880 | 16938 | ncrc9937 | | |
| 16834 | ncrc9770 | 16869 | ncrc9826 | 16904 | ncrc9881 | 16939 | ncrc9939 | | |
| 16835 | ncrc9771 | 16870 | ncrc9830 | 16905 | ncrc9883 | 16940 | ncrc9940 | | |

Figure 6C - Continued

| | | | | | | | |
|-------|----------------------|-------|----------------------|-------|-----------------------|-------|--------------------|
| 16971 | contigapri02-010014 | 17026 | contigmar20-20010033 | 17081 | contigmar23-010020 | 17136 | contigmar30-010006 |
| 16972 | contigapri02-010015 | 17027 | contigmar20-20010034 | 17082 | contigmar26-010002 | 17137 | contigmar30-010007 |
| 16973 | contigapri02-010016 | 17028 | contigmar20-20010035 | 17083 | contigmar26-010003 | 17138 | contigmar30-010008 |
| 16974 | contigapri02-010017 | 17029 | contigmar20-20010036 | 17084 | contigmar26-010004 | 17139 | contigmar30-010010 |
| 16975 | contigapri02-010018 | 17030 | contigmar20-20010037 | 17085 | contigmar26-010005 | 17140 | contigmar30-010011 |
| 16976 | contigapri02-010019 | 17031 | contigmar20-20010038 | 17086 | contigmar26-010007 | 17141 | contigmar30-010012 |
| 16977 | contigapri02-010020 | 17032 | contigmar20-20010039 | 17087 | contigmar26-010008 | 17142 | contigmar30-010013 |
| 16978 | contigapri02-010022 | 17033 | contigmar21-010002 | 17088 | contigmar26-010010 | 17143 | contigmar30-010014 |
| 16979 | contigapri02-010023 | 17034 | contigmar21-010003 | 17089 | contigmar26-010011 | 17144 | contigmar30-010015 |
| 16980 | contigapri02-010024 | 17035 | contigmar21-010004 | 17090 | contigmar26-010013 | 17145 | contigmar30-010016 |
| 16981 | contigapri02-010025 | 17036 | contigmar21-010005 | 17091 | contigmar26-010016 | 17146 | contigmar30-010017 |
| 16982 | contigapri03-010002 | 17037 | contigmar21-010006 | 17092 | contigmar26-010017 | 17147 | contigmar30-010018 |
| 16983 | contigapri03-010004 | 17038 | contigmar21-010007 | 17093 | contigmar26-010018 | 17148 | contigmar30-010019 |
| 16984 | contigapri03-010006 | 17039 | contigmar21-010008 | 17094 | contigmar26-010019 | 17149 | contigmar30-010020 |
| 16985 | contigapri03-010007 | 17040 | contigmar21-010010 | 17095 | contigmar26-010020 | 17150 | contigmar30-010021 |
| 16986 | contigapri03-010008 | 17041 | contigmar21-010011 | 17096 | contigmar26-010021 | 17151 | contigmar30-010022 |
| 16987 | contigapri03-010009 | 17042 | contigmar21-010013 | 17097 | contigmar26-010023 | | |
| 16988 | contigapri03-010010 | 17043 | contigmar21-010014 | 17098 | contigmar26-010024 | | |
| 16989 | contigapri03-010011 | 17044 | contigmar21-010015 | 17099 | contigmar27-010002 | | |
| 16990 | contigapri03-010012 | 17045 | contigmar21-010016 | 17100 | contigmar27-010003 | | |
| 16991 | contigapri03-010013 | 17046 | contigmar21-010017 | 17101 | contigmar27-010004 | | |
| 16992 | contigapri03-010014 | 17047 | contigmar21-010018 | 17102 | contigmar27-010007 | | |
| 16993 | contigapri03-010016 | 17048 | contigmar21-010020 | 17103 | contigmar27-010008 | | |
| 16994 | contigapri03-010017 | 17049 | contigmar21-010021 | 17104 | contigmar27-010010 | | |
| 16995 | contigapri05-010021 | 17050 | contigmar21-010022 | 17105 | contigmar27-010014 | | |
| 16996 | contigapri05-010022 | 17051 | contigmar22-010003 | 17106 | contigmar27-010015 | | |
| 16997 | contigapri05-010024 | 17052 | contigmar22-010004 | 17107 | contigmar27-010016 | | |
| 16998 | contigapri05-010025 | 17053 | contigmar22-010005 | 17108 | contigmar27-010017 | | |
| 16999 | contigapri05-010026 | 17054 | contigmar22-010007 | 17109 | contigmar27-010018 | | |
| 17000 | contigapri05-010027 | 17055 | contigmar22-010008 | 17110 | contigmar28-29-010002 | | |
| 17001 | contigapri05-010028 | 17056 | contigmar22-010009 | 17111 | contigmar28-29-010003 | | |
| 17002 | contigapri05-010029 | 17057 | contigmar22-010010 | 17112 | contigmar28-29-010004 | | |
| 17003 | contigapri05-010030 | 17058 | contigmar22-010011 | 17113 | contigmar28-29-010005 | | |
| 17004 | contigapri05-010031 | 17059 | contigmar22-010012 | 17114 | contigmar28-29-010006 | | |
| 17005 | contigapri05-010032 | 17060 | contigmar22-010013 | 17115 | contigmar28-29-010007 | | |
| 17006 | contigapri05-010033 | 17061 | contigmar22-010014 | 17116 | contigmar28-29-010009 | | |
| 17007 | contigapri05-010034 | 17062 | contigmar22-010016 | 17117 | contigmar28-29-010013 | | |
| 17008 | contigapri05-010035 | 17063 | contigmar22-010017 | 17118 | contigmar28-29-010016 | | |
| 17009 | contigapri05-010036 | 17064 | contigmar22-010018 | 17119 | contigmar28-29-010017 | | |
| 17010 | contigapri05-010037 | 17065 | contigmar22-010019 | 17120 | contigmar28-29-010021 | | |
| 17011 | contigapri05-010038 | 17066 | contigmar22-010020 | 17121 | contigmar28-29-010022 | | |
| 17012 | contigapri05-010039 | 17067 | contigmar22-010021 | 17122 | contigmar28-29-010023 | | |
| 17013 | contigapri06-010002 | 17068 | contigmar23-010002 | 17123 | contigmar28-29-010026 | | |
| 17014 | contigapri06-010003 | 17069 | contigmar23-010003 | 17124 | contigmar28-29-010027 | | |
| 17015 | contigapri06-010004 | 17070 | contigmar23-010004 | 17125 | contigmar28-29-010028 | | |
| 17016 | contigmar20-20010021 | 17071 | contigmar23-010008 | 17126 | contigmar28-29-010029 | | |
| 17017 | contigmar20-20010022 | 17072 | contigmar23-010009 | 17127 | contigmar28-29-010031 | | |
| 17018 | contigmar20-20010023 | 17073 | contigmar23-010010 | 17128 | contigmar28-29-010033 | | |
| 17019 | contigmar20-20010024 | 17074 | contigmar23-010012 | 17129 | contigmar28-29-010034 | | |
| 17020 | contigmar20-20010026 | 17075 | contigmar23-010013 | 17130 | contigmar28-29-010035 | | |
| 17021 | contigmar20-20010027 | 17076 | contigmar23-010014 | 17131 | contigmar28-29-010036 | | |
| 17022 | contigmar20-20010028 | 17077 | contigmar23-010016 | 17132 | contigmar28-29-010037 | | |
| 17023 | contigmar20-20010029 | 17078 | contigmar23-010017 | 17133 | contigmar28-29-010038 | | |
| 17024 | contigmar20-20010031 | 17079 | contigmar23-010018 | 17134 | contigmar30-010002 | | |
| 17025 | contigmar20-20010032 | 17080 | contigmar23-010019 | 17135 | contigmar30-010003 | | |

Figure 6D – List of EST Sequence Names From Mild OA Cartilage cDNA Library

| | | | | | | | | | |
|----|-----------|-----|-----------|-----|-----------|-----|------------|-----|-----------|
| 1 | MIOA0002a | 57 | MIOA0078a | 113 | MIOA0151 | 169 | MIOA0213a | 225 | mioa0275n |
| 2 | MIOA0003a | 58 | MIOA0081a | 114 | MIOA0152 | 170 | MIOA0214a | 226 | MIOA0276 |
| 3 | mioa0004a | 59 | mioa0082a | 115 | mioa0153 | 171 | MIOA0215a | 227 | MIOA0277 |
| 4 | MIOA0005a | 60 | mioa0083a | 116 | MIOA0154 | 172 | MIOA0217a | 228 | MIOA0278 |
| 5 | MIOA0006a | 61 | MIOA0084a | 117 | MIOA0155 | 173 | MIOA0218a | 229 | MIOA0279 |
| 6 | MIOA0008a | 62 | MIOA0085a | 118 | mioa0156 | 174 | MIOA0219a | 230 | MIOA0280 |
| 7 | MIOA0010a | 63 | MIOA0086a | 119 | MIOA0157 | 175 | MIOA0220a | 231 | MIOA0281n |
| 8 | MIOA0011a | 64 | MIOA0087a | 120 | MIOA0158 | 176 | MIOA0221a | 232 | MIOA0282 |
| 9 | MIOA0013a | 65 | MIOA0088a | 121 | MIOA0159 | 177 | mioa0222a | 233 | MIOA0283 |
| 10 | MIOA0019a | 66 | MIOA0089a | 122 | MIOA0160 | 178 | MIOA0223a | 234 | MIOA0284 |
| 11 | MIOA0022a | 67 | MIOA0090a | 123 | mioa0161 | 179 | MIOA0224a | 235 | MIOA0285 |
| 12 | MIOA0024a | 68 | MIOA0092a | 124 | MIOA0162 | 180 | mioa0225a | 236 | MIOA0286 |
| 13 | MIOA0025a | 69 | MIOA0093a | 125 | MIOA0164 | 181 | MIOA0226a | 237 | MIOA0288 |
| 14 | MIOA0026a | 70 | MIOA0095a | 126 | MIOA0165 | 182 | MIOA0227a | 238 | MIOA0289 |
| 15 | MIOA0028a | 71 | MIOA0096a | 127 | MIOA0166 | 183 | mioa0228a | 239 | MIOA0290 |
| 16 | MIOA0029a | 72 | MIOA0097 | 128 | MIOA0167 | 184 | MIOA0229a | 240 | MIOA0291 |
| 17 | MIOA0030a | 73 | MIOA0098 | 129 | MIOA0168n | 185 | MIOA0230a | 241 | MIOA0292 |
| 18 | MIOA0031a | 74 | MIOA0099 | 130 | MIOA0169 | 186 | MIOA0231a | 242 | MIOA0293n |
| 19 | MIOA0032a | 75 | MIOA0100 | 131 | MIOA0170 | 187 | MIOA0232a | 243 | MIOA0294 |
| 20 | MIOA0033a | 76 | MIOA0101 | 132 | MIOA0171 | 188 | MIOA0233a | 244 | MIOA0295 |
| 21 | MIOA0035a | 77 | MIOA0102 | 133 | MIOA0172 | 189 | MIOA0234a | 245 | MIOA0296 |
| 22 | MIOA0036a | 78 | MIOA0103 | 134 | MIOA0174 | 190 | mioa0235a | 246 | MIOA0297 |
| 23 | MIOA0037a | 79 | MIOA0104 | 135 | MIOA0175n | 191 | MIOA0236a | 247 | MIOA0298n |
| 24 | MIOA0038a | 80 | MIOA0105 | 136 | MIOA0176 | 192 | MIOA0237a | 248 | MIOA0299n |
| 25 | MIOA0039a | 81 | mioa0108m | 137 | MIOA0177n | 193 | MIOA0238a | 249 | MIOA0300 |
| 26 | MIOA0042a | 82 | MIOA0109 | 138 | MIOA0178 | 194 | MIOA0240a | 250 | MIOA0302 |
| 27 | MIOA0044a | 83 | mioa0110 | 139 | MIOA0179 | 195 | MIOA0241a | 251 | MIOA0303 |
| 28 | MIOA0045a | 84 | MIOA0111 | 140 | MIOA0180 | 196 | MIOA0242a | 252 | mioa0304 |
| 29 | MIOA0046a | 85 | mioa0113 | 141 | MIOA0181 | 197 | MIOA0243a | 253 | MIOA0306n |
| 30 | MIOA0047a | 86 | mioa0114 | 142 | MIOA0182 | 198 | MIOA0245a | 254 | MIOA0307 |
| 31 | MIOA0049a | 87 | mioa0115 | 143 | MIOA0183 | 199 | MIOA0246a | 255 | MIOA0308 |
| 32 | MIOA0051a | 88 | MIOA0116 | 144 | MIOA0184 | 200 | MIOA0247a | 256 | MIOA0309 |
| 33 | MIOA0053a | 89 | MIOA0117 | 145 | MIOA0185 | 201 | MIOA0248a | 257 | MIOA0310 |
| 34 | MIOA0054a | 90 | mioa0118 | 146 | MIOA0186 | 202 | MIOA0249a | 258 | MIOA0311n |
| 35 | MIOA0055a | 91 | MIOA0119 | 147 | MIOA0187n | 203 | MIOA0250a | 259 | MIOA0312n |
| 36 | MIOA0056a | 92 | MIOA0122 | 148 | MIOA0188 | 204 | MIOA0251a | 260 | MIOA0314 |
| 37 | MIOA0057a | 93 | MIOA0125 | 149 | MIOA0189 | 205 | MIOA0252a | 261 | MIOA0315 |
| 38 | MIOA0058a | 94 | MIOA0126 | 150 | MIOA0190 | 206 | MIOA0253a | 262 | MIOA0316 |
| 39 | MIOA0059a | 95 | MIOA0127 | 151 | MIOA0191n | 207 | MIOA0254a | 263 | MIOA0317 |
| 40 | MIOA0060a | 96 | MIOA0128 | 152 | MIOA0192 | 208 | MIOA0255a | 264 | MIOA0318 |
| 41 | MIOA0061a | 97 | MIOA0131 | 153 | MIOA0193a | 209 | MIOA0256a | 265 | MIOA0320 |
| 42 | MIOA0062a | 98 | MIOA0132 | 154 | MIOA0195a | 210 | MIOA0257 | 266 | MIOA0321 |
| 43 | MIOA0063a | 99 | MIOA0134 | 155 | MIOA0197a | 211 | mioa0258n | 267 | MIOA0322 |
| 44 | MIOA0064a | 100 | MIOA0135 | 156 | MIOA0198a | 212 | MIOA0259 | 268 | MIOA0323 |
| 45 | MIOA0065a | 101 | mioa0136m | 157 | MIOA0199a | 213 | MIOA0261 | 269 | MIOA0324 |
| 46 | MIOA0066a | 102 | MIOA0138 | 158 | MIOA0201a | 214 | MIOA0262 | 270 | MIOA0325 |
| 47 | MIOA0067a | 103 | MIOA0139 | 159 | MIOA0202a | 215 | MIOA0263 | 271 | MIOA0327 |
| 48 | mioa0068a | 104 | MIOA0140 | 160 | MIOA0203a | 216 | MIOA0264 | 272 | MIOA0328 |
| 49 | MIOA0070a | 105 | MIOA0141 | 161 | MIOA0204a | 217 | mioa0265nn | 273 | MIOA0329n |
| 50 | MIOA0071a | 106 | MIOA0142 | 162 | MIOA0205a | 218 | MIOA0266n | 274 | MIOA0330n |
| 51 | MIOA0072a | 107 | MIOA0143 | 163 | MIOA0207a | 219 | MIOA0268 | 275 | MIOA0331 |
| 52 | MIOA0073a | 108 | MIOA0145 | 164 | MIOA0208a | 220 | MIOA0269 | 276 | MIOA0332 |
| 53 | MIOA0074a | 109 | MIOA0146 | 165 | MIOA0209a | 221 | MIOA0270 | 277 | mioa0334n |
| 54 | MIOA0075a | 110 | MIOA0147 | 166 | mioa0210a | 222 | MIOA0271 | 278 | MIOA0335 |
| 55 | MIOA0076a | 111 | MIOA0149 | 167 | MIOA0211a | 223 | MIOA0273 | 279 | mioa0337m |
| 56 | MIOA0077a | 112 | MIOA0150 | 168 | MIOA0212a | 224 | MIOA0274 | 280 | MIOA0338 |

Figure 6D – Continued

| | | | | | | | | | |
|-----|-----------|-----|-----------|-----|------------|-----|------------|-----|-----------|
| 281 | MIOA0339 | 337 | MIOA0417a | 393 | mioa0506m | 449 | mioa0569a | 505 | MIOA0644 |
| 282 | mioa0340 | 338 | MIOA0418a | 394 | mioa0507m | 450 | mioa0571a | 506 | MIOA0645 |
| 283 | MIOA0341 | 339 | MIOA0419a | 395 | MIOA0508n | 451 | MIOA0572n | 507 | MIOA0646 |
| 284 | MIOA0342 | 340 | MIOA0420a | 396 | mioa0509 | 452 | mioa0573a | 508 | MIOA0647 |
| 285 | MIOA0343n | 341 | MIOA0449 | 397 | MIOA0510 | 453 | mioa0574 | 509 | MIOA0648 |
| 286 | MIOA0344 | 342 | MIOA0450 | 398 | mioa0511m | 454 | mioa0575a | 510 | MIOA0650 |
| 287 | MIOA0346n | 343 | MIOA0451 | 399 | MIOA0513n | 455 | mioa0576a | 511 | MIOA0651 |
| 288 | mioa0347m | 344 | MIOA0452 | 400 | MIOA0514 | 456 | MIOA0577a | 512 | MIOA0652 |
| 289 | mioa0348m | 345 | MIOA0453 | 401 | MIOA0515 | 457 | MIOA0578a | 513 | MIOA0653 |
| 290 | mioa0350m | 346 | MIOA0454 | 402 | MIOA0516 | 458 | MIOA0579a | 514 | MIOA0677 |
| 291 | mioa0351m | 347 | MIOA0455 | 403 | MIOA0517 | 459 | MIOA0580a | 515 | MIOA0679 |
| 292 | MIOA0354a | 348 | MIOA0456 | 404 | MIOA0518 | 460 | mioa0581a | 516 | MIOA0680 |
| 293 | mioa0355a | 349 | mioa0457m | 405 | MIOA0519n | 461 | MIOA0582a | 517 | MIOA0681n |
| 294 | MIOA0358a | 350 | MIOA0458 | 406 | mioa0520n | 462 | MIOA0584a | 518 | MIOA0682n |
| 295 | MIOA0359a | 351 | MIOA0459 | 407 | MIOA0521 | 463 | MIOA0585a | 519 | MIOA0683 |
| 296 | MIOA0360a | 352 | MIOA0460 | 408 | MIOA0522 | 464 | MIOA0586a | 520 | MIOA0684 |
| 297 | MIOA0361a | 353 | MIOA0461 | 409 | mioa0524 | 465 | MIOA0587a | 521 | MIOA0685 |
| 298 | MIOA0363a | 354 | mioa0462n | 410 | MIOA0525 | 466 | MIOA0588a | 522 | MIOA0688 |
| 299 | MIOA0364a | 355 | mioa0463m | 411 | MIOA0526 | 467 | MIOA0589a | 523 | MIOA0689 |
| 300 | MIOA0365a | 356 | MIOA0464 | 412 | MIOA0528 | 468 | MIOA0590a | 524 | mioa0690 |
| 301 | MIOA0366a | 357 | MIOA0466 | 413 | MIOA0529 | 469 | MIOA0591a | 525 | MIOA0691 |
| 302 | MIOA0367a | 358 | MIOA0467 | 414 | MIOA0530 | 470 | MIOA0592a | 526 | MIOA0692 |
| 303 | MIOA0368a | 359 | MIOA0468 | 415 | MIOA0531 | 471 | MIOA0593a | 527 | MIOA0693 |
| 304 | MIOA0370a | 360 | MIOA0469 | 416 | MIOA0532 | 472 | MIOA0594a | 528 | MIOA0694 |
| 305 | MIOA0372a | 361 | MIOA0471 | 417 | MIOA0533 | 473 | MIOA0595a | 529 | MIOA0696 |
| 306 | MIOA0373a | 362 | MIOA0472 | 418 | MIOA0534 | 474 | MIOA0597a | 530 | MIOA0697 |
| 307 | MIOA0375a | 363 | MIOA0473 | 419 | MIOA0535n | 475 | MIOA0598a | 531 | MIOA0698 |
| 308 | MIOA0378a | 364 | MIOA0474 | 420 | MIOA0536 | 476 | MIOA0600a | 532 | mioa0699 |
| 309 | MIOA0379a | 365 | MIOA0475 | 421 | MIOA0537 | 477 | MIOA0601a | 533 | MIOA0701 |
| 310 | MIOA0380a | 366 | MIOA0476 | 422 | MIOA0538 | 478 | MIOA0602a | 534 | MIOA0702 |
| 311 | MIOA0381a | 367 | MIOA0477 | 423 | MIOA0540 | 479 | MIOA0603a | 535 | MIOA0703 |
| 312 | MIOA0382a | 368 | MIOA0478 | 424 | MIOA0541n | 480 | MIOA0604a | 536 | MIOA0704 |
| 313 | MIOA0384a | 369 | MIOA0479n | 425 | mioa0542n | 481 | mioa0605a | 537 | MIOA0705 |
| 314 | MIOA0387a | 370 | mioa0480m | 426 | MIOA0543 | 482 | MIOA0607a | 538 | MIOA0706 |
| 315 | MIOA0388a | 371 | MIOA0481n | 427 | MIOA0544 | 483 | MIOA0608a | 539 | MIOA0707 |
| 316 | MIOA0390a | 372 | MIOA0482n | 428 | mioa0545a | 484 | MIOA0610a | 540 | MIOA0708 |
| 317 | MIOA0392a | 373 | MIOA0483 | 429 | MIOA0546a | 485 | MIOA0611a | 541 | mioa0709m |
| 318 | MIOA0393a | 374 | MIOA0484 | 430 | mioa0548an | 486 | MIOA0613a | 542 | MIOA0710 |
| 319 | MIOA0394a | 375 | MIOA0485 | 431 | MIOA0550a | 487 | mioa0614a | 543 | MIOA0711 |
| 320 | MIOA0395a | 376 | MIOA0486 | 432 | MIOA0551a | 488 | MIOA0616a | 544 | MIOA0712 |
| 321 | MIOA0397a | 377 | MIOA0487 | 433 | MIOA0553a | 489 | MIOA0618a | 545 | MIOA0713 |
| 322 | MIOA0398a | 378 | MIOA0488n | 434 | MIOA0554a | 490 | MIOA0621a | 546 | MIOA0714 |
| 323 | MIOA0400a | 379 | MIOA0489 | 435 | mioa0555a | 491 | MIOA0622a | 547 | MIOA0715 |
| 324 | MIOA0401a | 380 | mioa0491m | 436 | mioa0556a | 492 | MIOA0624a | 548 | MIOA0716 |
| 325 | MIOA0404a | 381 | mioa0492m | 437 | mioa0557a | 493 | MIOA0625a | 549 | mioa0717 |
| 326 | MIOA0405a | 382 | MIOA0493 | 438 | mioa0558a | 494 | MIOA0626a | 550 | MIOA0718 |
| 327 | MIOA0407a | 383 | MIOA0494 | 439 | MIOA0559n | 495 | mioa0629a | 551 | MIOA0719 |
| 328 | MIOA0408a | 384 | MIOA0495 | 440 | mioa0560a | 496 | MIOA0630a | 552 | MIOA0720n |
| 329 | MIOA0409a | 385 | MIOA0497n | 441 | mioa0561a | 497 | MIOA0632a | 553 | MIOA0721 |
| 330 | MIOA0410a | 386 | MIOA0498n | 442 | mioa0562a | 498 | MIOA0633a | 554 | MIOA0722 |
| 331 | MIOA0411a | 387 | MIOA0500 | 443 | mioa0563a | 499 | MIOA0637a | 555 | MIOA0723 |
| 332 | mioa0412a | 388 | MIOA0501 | 444 | mioa0564a | 500 | MIOA0639a | 556 | MIOA0724 |
| 333 | MIOA0413a | 389 | MIOA0502 | 445 | MIOA0565n | 501 | mioa0640an | 557 | MIOA0725 |
| 334 | MIOA0414a | 390 | mioa0503m | 446 | mioa0566a | 502 | MIOA0641 | 558 | MIOA0726n |
| 335 | MIOA0415a | 391 | MIOA0504n | 447 | mioa0567a | 503 | MIOA0642 | 559 | MIOA0727 |
| 336 | MIOA0416a | 392 | MIOA0505n | 448 | mioa0568 | 504 | MIOA0643n | 560 | MIOA0728 |

Figure 6D - Continued

| | | | | | | | | | |
|-----|-----------|-----|-----------|-----|-----------|-----|------------|-----|-----------|
| 561 | MIOA0729 | 617 | mioa0787m | 673 | MIOA0861a | 729 | MIOA0931 | 785 | MIOA0994 |
| 562 | MIOA0730 | 618 | mioa0788m | 674 | MIOA0862a | 730 | mioa0932 | 786 | MIOA0995 |
| 563 | MIOA0731 | 619 | mioa0789m | 675 | MIOA0865a | 731 | MIOA0933 | 787 | mioa0996n |
| 564 | MIOA0732 | 620 | MIOA0790 | 676 | MIOA0866a | 732 | MIOA0934 | 788 | MIOA0997n |
| 565 | MIOA0733 | 621 | MIOA0791 | 677 | MIOA0868a | 733 | MIOA0935 | 789 | MIOA0998 |
| 566 | MIOA0734 | 622 | MIOA0792 | 678 | MIOA0869a | 734 | MIOA0936 | 790 | mioa0999 |
| 567 | MIOA0735 | 623 | MIOA0793 | 679 | MIOA0873a | 735 | MIOA0937 | 791 | MIOA1000 |
| 568 | MIOA0736 | 624 | MIOA0794 | 680 | MIOA0874a | 736 | MIOA0938 | 792 | MIOA1001 |
| 569 | mioa0737m | 625 | MIOA0795n | 681 | MIOA0875a | 737 | MIOA0940 | 793 | mioa1003 |
| 570 | mioa0738m | 626 | MIOA0797 | 682 | MIOA0876a | 738 | MIOA0941 | 794 | MIOA1004 |
| 571 | mioa0739m | 627 | mioa0798 | 683 | MIOA0877a | 739 | MIOA0942 | 795 | MIOA1005 |
| 572 | mioa0740m | 628 | mioa0800m | 684 | MIOA0878a | 740 | MIOA0943 | 796 | MIOA1006 |
| 573 | mioa0741m | 629 | MIOA0802 | 685 | MIOA0879a | 741 | MIOA0944 | 797 | MIOA1007 |
| 574 | MIOA0742 | 630 | MIOA0803 | 686 | MIOA0880a | 742 | MIOA0946 | 798 | MIOA1008 |
| 575 | mioa0743 | 631 | MIOA0804 | 687 | MIOA0882a | 743 | MIOA0947 | 799 | MIOA1009 |
| 576 | MIOA0744 | 632 | mioa0806 | 688 | MIOA0884a | 744 | MIOA0948 | 800 | MIOA1010 |
| 577 | MIOA0745 | 633 | MIOA0807 | 689 | MIOA0885a | 745 | MIOA0949 | 801 | MIOA1012 |
| 578 | MIOA0746 | 634 | MIOA0808 | 690 | MIOA0886a | 746 | mioa0950 | 802 | MIOA1013 |
| 579 | MIOA0747 | 635 | MIOA0809 | 691 | MIOA0887a | 747 | MIOA0951 | 803 | MIOA1014 |
| 580 | MIOA0748 | 636 | MIOA0811 | 692 | MIOA0888a | 748 | MIOA0952 | 804 | MIOA1015 |
| 581 | MIOA0749 | 637 | MIOA0813 | 693 | MIOA0890a | 749 | MIOA0953 | 805 | MIOA1016 |
| 582 | MIOA0750 | 638 | MIOA0814 | 694 | MIOA0891a | 750 | MIOA0954 | 806 | MIOA1018 |
| 583 | MIOA0751 | 639 | MIOA0816 | 695 | MIOA0892a | 751 | MIOA0955 | 807 | mioa1019 |
| 584 | MIOA0752 | 640 | mioa0817 | 696 | MIOA0893a | 752 | MIOA0956 | 808 | mioa1021m |
| 585 | MIOA0753n | 641 | MIOA0818 | 697 | MIOA0894a | 753 | MIOA0958 | 809 | mioa1022m |
| 586 | mioa0754m | 642 | mioa0819 | 698 | MIOA0896a | 754 | MIOA0959 | 810 | MIOA1024 |
| 587 | mioa0755m | 643 | MIOA0820 | 699 | MIOA0897a | 755 | MIOA0960 | 811 | MIOA1025 |
| 588 | MIOA0756 | 644 | MIOA0821 | 700 | MIOA0898a | 756 | MIOA0961 | 812 | MIOA1026 |
| 589 | MIOA0757 | 645 | mioa0823 | 701 | mioa0899a | 757 | MIOA0962 | 813 | MIOA1027 |
| 590 | MIOA0758 | 646 | MIOA0824 | 702 | MIOA0900a | 758 | mioa0963n | 814 | MIOA1028 |
| 591 | MIOA0759 | 647 | MIOA0825 | 703 | MIOA0901a | 759 | MIOA0964 | 815 | MIOA1029 |
| 592 | MIOA0760 | 648 | MIOA0826 | 704 | MIOA0902a | 760 | MIOA0965 | 816 | mioa1030n |
| 593 | mioa0761 | 649 | MIOA0827 | 705 | MIOA0903a | 761 | MIOA0966 | 817 | mioa1031m |
| 594 | mioa0762m | 650 | MIOA0830 | 706 | MIOA0904a | 762 | MIOA0967 | 818 | mioa1032m |
| 595 | MIOA0763n | 651 | MIOA0831 | 707 | MIOA0905a | 763 | MIOA0968 | 819 | mioa1033m |
| 596 | mioa0764 | 652 | MIOA0832 | 708 | MIOA0906a | 764 | MIOA0969n | 820 | mioa1034m |
| 597 | MIOA0765n | 653 | MIOA0833a | 709 | MIOA0907a | 765 | MIOA0970 | 821 | mioa1035m |
| 598 | mioa0766n | 654 | MIOA0835a | 710 | MIOA0908a | 766 | mioa0971 | 822 | mioa1036m |
| 599 | mioa0767 | 655 | MIOA0837a | 711 | MIOA0909a | 767 | MIOA0972 | 823 | mioa1039m |
| 600 | MIOA0768n | 656 | MIOA0838a | 712 | MIOA0910a | 768 | MIOA0974 | 824 | mioa1040m |
| 601 | MIOA0769n | 657 | MIOA0839a | 713 | mioa0911a | 769 | MIOA0975n | 825 | mioa1042m |
| 602 | MIOA0770n | 658 | MIOA0840a | 714 | MIOA0912a | 770 | MIOA0977 | 826 | mioa1043m |
| 603 | MIOA0772 | 659 | MIOA0842a | 715 | MIOA0913a | 771 | mioa0978n | 827 | MIOA1044 |
| 604 | MIOA0773 | 660 | MIOA0843a | 716 | MIOA0915a | 772 | MIOA0980 | 828 | mioa1045 |
| 605 | mioa0774n | 661 | MIOA0844a | 717 | MIOA0916a | 773 | MIOA0981 | 829 | MIOA1047 |
| 606 | MIOA0775n | 662 | MIOA0845a | 718 | MIOA0917a | 774 | MIOA0982 | 830 | MIOA1048 |
| 607 | MIOA0776n | 663 | MIOA0846a | 719 | mioa0918a | 775 | MIOA0983 | 831 | MIOA1049 |
| 608 | MIOA0777n | 664 | MIOA0847a | 720 | MIOA0919a | 776 | MIOA0984 | 832 | MIOA1050 |
| 609 | MIOA0778 | 665 | MIOA0848a | 721 | mioa0920a | 777 | MIOA0985 | 833 | MIOA1051 |
| 610 | MIOA0779 | 666 | mioa0849a | 722 | MIOA0921a | 778 | MIOA0986 | 834 | mioa1052 |
| 611 | mioa0780n | 667 | MIOA0850a | 723 | MIOA0923a | 779 | mioa0987n | 835 | MIOA1053 |
| 612 | MIOA0781 | 668 | MIOA0851a | 724 | MIOA0924a | 780 | MIOA0989n | 836 | mioa1054 |
| 613 | MIOA0782n | 669 | MIOA0852a | 725 | MIOA0925a | 781 | MIOA0990n | 837 | MIOA1055 |
| 614 | MIOA0783n | 670 | MIOA0855a | 726 | MIOA0927a | 782 | mioa0991nn | 838 | MIOA1056 |
| 615 | mioa0785m | 671 | MIOA0857a | 727 | MIOA0929 | 783 | mioa0992n | 839 | MIOA1057 |
| 616 | mioa0786m | 672 | MIOA0860a | 728 | MIOA0930 | 784 | MIOA0993n | 840 | MIOA1058 |

Figure 6D - Continued

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|-----|-----------|-----|-----------|------|-----------|------|-----------|------|-----------|
| 841 | mioa1059 | 897 | MIOA1126 | 953 | MIOA1191n | 1009 | MIOA1264 | 1065 | MIOA1329a |
| 842 | MIOA1060 | 898 | mioa1127m | 954 | MIOA1192 | 1010 | MIOA1265 | 1066 | MIOA1330a |
| 843 | MIOA1061 | 899 | MIOA1128 | 955 | MIOA1193 | 1011 | MIOA1266 | 1067 | MIOA1331a |
| 844 | MIOA1062 | 900 | MIOA1130 | 956 | MIOA1196 | 1012 | MIOA1267 | 1068 | MIOA1332a |
| 845 | MIOA1063 | 901 | MIOA1131 | 957 | mioa1197n | 1013 | MIOA1268 | 1069 | MIOA1333a |
| 846 | MIOA1065 | 902 | MIOA1132 | 958 | MIOA1198 | 1014 | MIOA1269 | 1070 | MIOA1334a |
| 847 | MIOA1066 | 903 | mioa1133 | 959 | MIOA1199 | 1015 | MIOA1270 | 1071 | MIOA1336a |
| 848 | MIOA1067 | 904 | mioa1134 | 960 | MIOA1200 | 1016 | MIOA1273 | 1072 | MIOA1337a |
| 849 | MIOA1068 | 905 | MIOA1135 | 961 | MIOA1201 | 1017 | MIOA1274m | 1073 | MIOA1338a |
| 850 | MIOA1070 | 906 | MIOA1136 | 962 | MIOA1204 | 1018 | MIOA1275m | 1074 | mioa1339a |
| 851 | MIOA1071 | 907 | MIOA1137 | 963 | MIOA1205 | 1019 | MIOA1276m | 1075 | MIOA1341a |
| 852 | mioa1072 | 908 | mioa1138 | 964 | MIOA1206 | 1020 | MIOA1277m | 1076 | MIOA1342a |
| 853 | MIOA1073 | 909 | mioa1139 | 965 | MIOA1208 | 1021 | MIOA1278m | 1077 | MIOA1343a |
| 854 | MIOA1074 | 910 | MIOA1140 | 966 | MIOA1210 | 1022 | MIOA1279m | 1078 | MIOA1344a |
| 855 | mioa1075 | 911 | MIOA1141 | 967 | MIOA1211 | 1023 | MIOA1281m | 1079 | MIOA1346a |
| 856 | MIOA1076 | 912 | mioa1142m | 968 | mioa1212 | 1024 | MIOA1283m | 1080 | MIOA1347a |
| 857 | MIOA1077 | 913 | MIOA1143 | 969 | MIOA1213 | 1025 | MIOA1284 | 1081 | MIOA1349a |
| 858 | MIOA1078 | 914 | mioa1144 | 970 | MIOA1214 | 1026 | MIOA1285 | 1082 | MIOA1350a |
| 859 | MIOA1079 | 915 | MIOA1145 | 971 | mioa1215m | 1027 | MIOA1286 | 1083 | MIOA1351a |
| 860 | MIOA1080 | 916 | MIOA1146 | 972 | mioa1216m | 1028 | MIOA1287 | 1084 | mioa1352a |
| 861 | MIOA1081 | 917 | MIOA1147 | 973 | mioa1218m | 1029 | MIOA1288 | 1085 | MIOA1353a |
| 862 | MIOA1082 | 918 | mioa1148n | 974 | MIOA1222m | 1030 | MIOA1289 | 1086 | MIOA1354a |
| 863 | MIOA1083 | 919 | MIOA1149 | 975 | MIOA1223m | 1031 | MIOA1290 | 1087 | MIOA1356a |
| 864 | MIOA1084 | 920 | MIOA1150 | 976 | MIOA1224m | 1032 | MIOA1291n | 1088 | MIOA1358a |
| 865 | MIOA1085 | 921 | MIOA1151 | 977 | MIOA1225 | 1033 | MIOA1292 | 1089 | MIOA1359a |
| 866 | mioa1086 | 922 | mioa1152m | 978 | MIOA1226 | 1034 | MIOA1293n | 1090 | MIOA1360a |
| 867 | mioa1087 | 923 | mioa1154 | 979 | MIOA1227 | 1035 | MIOA1294n | 1091 | MIOA1361a |
| 868 | MIOA1088 | 924 | mioa1156n | 980 | MIOA1228 | 1036 | MIOA1296 | 1092 | MIOA1362a |
| 869 | MIOA1089 | 925 | MIOA1157 | 981 | MIOA1229 | 1037 | MIOA1297 | 1093 | MIOA1363a |
| 870 | MIOA1090 | 926 | MIOA1158 | 982 | MIOA1230 | 1038 | MIOA1299 | 1094 | MIOA1364a |
| 871 | MIOA1091 | 927 | MIOA1159 | 983 | mioa1231 | 1039 | MIOA1300n | 1095 | MIOA1365a |
| 872 | mioa1092 | 928 | MIOA1161 | 984 | MIOA1233 | 1040 | MIOA1301m | 1096 | MIOA1366a |
| 873 | MIOA1094 | 929 | mioa1163 | 985 | MIOA1234 | 1041 | MIOA1303 | 1097 | MIOA1367a |
| 874 | MIOA1095 | 930 | MIOA1164 | 986 | MIOA1235 | 1042 | MIOA1304 | 1098 | MIOA1369a |
| 875 | MIOA1096 | 931 | MIOA1165 | 987 | MIOA1236 | 1043 | MIOA1305 | 1099 | MIOA1370a |
| 876 | mioa1097 | 932 | MIOA1166 | 988 | MIOA1237 | 1044 | MIOA1306 | 1100 | MIOA1371a |
| 877 | MIOA1099 | 933 | MIOA1167 | 989 | MIOA1239 | 1045 | MIOA1307 | 1101 | MIOA1372a |
| 878 | MIOA1100 | 934 | MIOA1169 | 990 | MIOA1241n | 1046 | MIOA1308m | 1102 | MIOA1373a |
| 879 | mioa1101m | 935 | mioa1170 | 991 | MIOA1242 | 1047 | MIOA1309 | 1103 | MIOA1374a |
| 880 | MIOA1102 | 936 | mioa1171n | 992 | MIOA1243 | 1048 | MIOA1310 | 1104 | MIOA1375a |
| 881 | MIOA1103 | 937 | MIOA1172 | 993 | MIOA1244m | 1049 | MIOA1311 | 1105 | MIOA1377a |
| 882 | MIOA1104 | 938 | MIOA1173 | 994 | MIOA1245 | 1050 | mioa1312 | 1106 | MIOA1379a |
| 883 | MIOA1106 | 939 | MIOA1174 | 995 | MIOA1246 | 1051 | MIOA1313a | 1107 | MIOA1380a |
| 884 | MIOA1107 | 940 | MIOA1176 | 996 | MIOA1247 | 1052 | MIOA1314a | 1108 | MIOA1381a |
| 885 | mioa1108m | 941 | MIOA1177 | 997 | MIOA1248 | 1053 | MIOA1315a | 1109 | MIOA1382a |
| 886 | mioa1109m | 942 | MIOA1178 | 998 | MIOA1249 | 1054 | MIOA1316a | 1110 | MIOA1383a |
| 887 | mioa1110m | 943 | mioa1179m | 999 | MIOA1252 | 1055 | MIOA1317a | 1111 | MIOA1385a |
| 888 | mioa1111m | 944 | MIOA1180 | 1000 | MIOA1253 | 1056 | MIOA1318a | 1112 | MIOA1388a |
| 889 | mioa1112m | 945 | MIOA1181 | 1001 | MIOA1254 | 1057 | MIOA1319a | 1113 | MIOA1390a |
| 890 | mioa1116m | 946 | mioa1182 | 1002 | MIOA1255m | 1058 | MIOA1320a | 1114 | MIOA1391a |
| 891 | mioa1118m | 947 | mioa1183m | 1003 | mioa1256 | 1059 | MIOA1321a | 1115 | MIOA1392a |
| 892 | mioa1119m | 948 | mioa1184m | 1004 | MIOA1259 | 1060 | MIOA1322a | 1116 | MIOA1394a |
| 893 | MIOA1120 | 949 | MIOA1185 | 1005 | MIOA1260 | 1061 | MIOA1324a | 1117 | MIOA1396a |
| 894 | MIOA1121 | 950 | MIOA1186 | 1006 | MIOA1261 | 1062 | MIOA1325a | 1118 | MIOA1397a |
| 895 | MIOA1122 | 951 | MIOA1189 | 1007 | MIOA1262n | 1063 | mioa1326a | 1119 | MIOA1398a |
| 896 | MIOA1123 | 952 | MIOA1190n | 1008 | MIOA1263 | 1064 | MIOA1327a | 1120 | MIOA1399a |

Figure 6D – Continued

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|------|-----------|------|-----------|------|-----------|------|-----------|------|-----------|
| 1121 | MIOA1400a | 1177 | mioa1462 | 1233 | MIOA1528 | 1289 | MIOA1585 | 1345 | MIOA1651a |
| 1122 | MIOA1401a | 1178 | mioa1463 | 1234 | MIOA1529 | 1290 | MIOA1586 | 1346 | MIOA1652a |
| 1123 | MIOA1402a | 1179 | MIOA1464 | 1235 | MIOA1530 | 1291 | MIOA1587 | 1347 | MIOA1654a |
| 1124 | MIOA1403a | 1180 | MIOA1465 | 1236 | MIOA1531 | 1292 | MIOA1588 | 1348 | MIOA1655a |
| 1125 | mioa1405a | 1181 | MIOA1466 | 1237 | MIOA1532 | 1293 | MIOA1589 | 1349 | MIOA1656a |
| 1126 | MIOA1406a | 1182 | mioa1467 | 1238 | MIOA1533 | 1294 | MIOA1590 | 1350 | MIOA1657a |
| 1127 | MIOA1407a | 1183 | mioa1468 | 1239 | MIOA1534 | 1295 | MIOA1592 | 1351 | MIOA1658a |
| 1128 | MIOA1408a | 1184 | MIOA1469 | 1240 | MIOA1535 | 1296 | MIOA1593 | 1352 | MIOA1660a |
| 1129 | MIOA1409 | 1185 | MIOA1470 | 1241 | MIOA1536 | 1297 | mioa1594 | 1353 | MIOA1661a |
| 1130 | MIOA1410m | 1186 | mioa1471 | 1242 | mioa1537 | 1298 | mioa1595 | 1354 | MIOA1662a |
| 1131 | MIOA1411n | 1187 | MIOA1472 | 1243 | MIOA1538 | 1299 | MIOA1597 | 1355 | MIOA1664a |
| 1132 | MIOA1412 | 1188 | MIOA1473 | 1244 | MIOA1539 | 1300 | MIOA1598 | 1356 | mioa1665a |
| 1133 | MIOA1413 | 1189 | MIOA1474 | 1245 | MIOA1540 | 1301 | MIOA1599 | 1357 | MIOA1666a |
| 1134 | MIOA1414 | 1190 | MIOA1475 | 1246 | MIOA1541m | 1302 | MIOA1600 | 1358 | mioa1667a |
| 1135 | MIOA1415 | 1191 | MIOA1476 | 1247 | MIOA1542m | 1303 | MIOA1601a | 1359 | MIOA1668a |
| 1136 | MIOA1416 | 1192 | mioa1477 | 1248 | MIOA1543 | 1304 | MIOA1602a | 1360 | MIOA1669a |
| 1137 | MIOA1417 | 1193 | mioa1478 | 1249 | MIOA1544 | 1305 | MIOA1603a | 1361 | MIOA1671a |
| 1138 | MIOA1418 | 1194 | MIOA1479m | 1250 | MIOA1545 | 1306 | MIOA1604a | 1362 | mioa1673a |
| 1139 | MIOA1419 | 1195 | MIOA1481 | 1251 | MIOA1546 | 1307 | MIOA1605A | 1363 | MIOA1674a |
| 1140 | MIOA1420n | 1196 | MIOA1482m | 1252 | MIOA1547 | 1308 | mioa1606a | 1364 | MIOA1676a |
| 1141 | MIOA1421n | 1197 | MIOA1483m | 1253 | MIOA1548 | 1309 | MIOA1607a | 1365 | MIOA1677a |
| 1142 | MIOA1422 | 1198 | mioa1484n | 1254 | MIOA1549 | 1310 | MIOA1608a | 1366 | MIOA1679a |
| 1143 | MIOA1423 | 1199 | MIOA1485 | 1255 | MIOA1550 | 1311 | MIOA1610a | 1367 | MIOA1680a |
| 1144 | MIOA1424 | 1200 | MIOA1486 | 1256 | MIOA1551 | 1312 | MIOA1611a | 1368 | MIOA1681a |
| 1145 | MIOA1426 | 1201 | MIOA1487 | 1257 | MIOA1552 | 1313 | MIOA1612a | 1369 | MIOA1685a |
| 1146 | MIOA1427 | 1202 | MIOA1488 | 1258 | MIOA1553 | 1314 | MIOA1613a | 1370 | MIOA1686a |
| 1147 | MIOA1428 | 1203 | MIOA1491m | 1259 | MIOA1554n | 1315 | MIOA1614a | 1371 | MIOA1687a |
| 1148 | MIOA1429 | 1204 | MIOA1492m | 1260 | MIOA1555 | 1316 | MIOA1615a | 1372 | MIOA1688a |
| 1149 | MIOA1431 | 1205 | MIOA1494 | 1261 | MIOA1556 | 1317 | MIOA1616a | 1373 | mioa1689a |
| 1150 | MIOA1432 | 1206 | MIOA1495m | 1262 | MIOA1558 | 1318 | MIOA1619a | 1374 | MIOA1690a |
| 1151 | MIOA1433 | 1207 | MIOA1496 | 1263 | mioa1559 | 1319 | MIOA1620a | 1375 | MIOA1693a |
| 1152 | mioa1434 | 1208 | MIOA1497 | 1264 | mioa1560 | 1320 | MIOA1621a | 1376 | MIOA1695a |
| 1153 | MIOA1435 | 1209 | MIOA1498n | 1265 | mioa1561n | 1321 | MIOA1622a | 1377 | MIOA1696a |
| 1154 | mioa1436n | 1210 | MIOA1502 | 1266 | mioa1562 | 1322 | MIOA1623a | 1378 | mioa1697 |
| 1155 | mioa1438n | 1211 | mioa1503 | 1267 | MIOA1563m | 1323 | MIOA1624a | 1379 | MIOA1699 |
| 1156 | MIOA1439 | 1212 | MIOA1504 | 1268 | mioa1564m | 1324 | MIOA1626a | 1380 | MIOA1700 |
| 1157 | MIOA1440 | 1213 | MIOA1505 | 1269 | MIOA1565n | 1325 | MIOA1627a | 1381 | MIOA1701a |
| 1158 | MIOA1441 | 1214 | mioa1506 | 1270 | MIOA1566 | 1326 | MIOA1628a | 1382 | MIOA1702a |
| 1159 | MIOA1442 | 1215 | MIOA1508 | 1271 | MIOA1567 | 1327 | mioa1630a | 1383 | MIOA1704a |
| 1160 | mioa1443 | 1216 | MIOA1509 | 1272 | mioa1568 | 1328 | MIOA1632a | 1384 | MIOA1706a |
| 1161 | MIOA1444 | 1217 | MIOA1511 | 1273 | MIOA1569 | 1329 | MIOA1633a | 1385 | MIOA1707a |
| 1162 | MIOA1445 | 1218 | MIOA1512n | 1274 | MIOA1570 | 1330 | MIOA1634a | 1386 | MIOA1708a |
| 1163 | MIOA1446 | 1219 | MIOA1513 | 1275 | MIOA1571 | 1331 | MIOA1635a | 1387 | MIOA1711a |
| 1164 | MIOA1447 | 1220 | MIOA1514 | 1276 | mioa1572 | 1332 | MIOA1636a | 1388 | MIOA1713a |
| 1165 | MIOA1448 | 1221 | MIOA1515 | 1277 | MIOA1573 | 1333 | MIOA1637a | 1389 | MIOA1714a |
| 1166 | MIOA1450 | 1222 | MIOA1516 | 1278 | mioa1574 | 1334 | MIOA1638a | 1390 | MIOA1715a |
| 1167 | mioa1452 | 1223 | MIOA1517 | 1279 | MIOA1575 | 1335 | MIOA1639a | 1391 | MIOA1716a |
| 1168 | MIOA1453 | 1224 | mioa1518 | 1280 | MIOA1576 | 1336 | MIOA1640a | 1392 | MIOA1717a |
| 1169 | MIOA1454 | 1225 | MIOA1519 | 1281 | MIOA1577 | 1337 | MIOA1641a | 1393 | MIOA1718a |
| 1170 | MIOA1455 | 1226 | MIOA1520 | 1282 | MIOA1578 | 1338 | MIOA1644a | 1394 | mioa1719a |
| 1171 | MIOA1456 | 1227 | MIOA1521 | 1283 | MIOA1579 | 1339 | mioa1645a | 1395 | MIOA1720a |
| 1172 | MIOA1457 | 1228 | MIOA1522 | 1284 | MIOA1580 | 1340 | MIOA1646a | 1396 | mioa1721a |
| 1173 | MIOA1458 | 1229 | MIOA1524 | 1285 | MIOA1581 | 1341 | MIOA1647a | 1397 | MIOA1722a |
| 1174 | MIOA1459 | 1230 | MIOA1525 | 1286 | MIOA1582 | 1342 | MIOA1648a | 1398 | MIOA1723a |
| 1175 | MIOA1460 | 1231 | MIOA1526 | 1287 | MIOA1583 | 1343 | MIOA1649a | 1399 | MIOA1724a |
| 1176 | MIOA1461n | 1232 | MIOA1527 | 1288 | MIOA1584 | 1344 | MIOA1650a | 1400 | MIOA1726a |

Figure 6D - Continued

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|------|-----------|------|------------|------|------------|------|-----------|------|-----------|
| 1401 | MIOA1727a | 1457 | MIOA1809a | 1513 | MIOA1891a | 1569 | MIOA1954a | 1625 | MIOA2029 |
| 1402 | MIOA1729a | 1458 | MIOA1811a | 1514 | MIOA1892a | 1570 | MIOA1955a | 1626 | MIOA2031 |
| 1403 | MIOA1731 | 1459 | MIOA1812a | 1515 | MIOA1893a | 1571 | MIOA1956a | 1627 | mioa2032n |
| 1404 | MIOA1733 | 1460 | MIOA1814a | 1516 | MIOA1894a | 1572 | MIOA1957a | 1628 | MIOA2033 |
| 1405 | MIOA1734 | 1461 | MIOA1815a | 1517 | MIOA1895a | 1573 | MIOA1959a | 1629 | MIOA2034 |
| 1406 | MIOA1735 | 1462 | MIOA1817a | 1518 | MIOA1896a | 1574 | MIOA1961a | 1630 | mioa2035 |
| 1407 | MIOA1737 | 1463 | MIOA1818a | 1519 | mioa1897a | 1575 | MIOA1963a | 1631 | MIOA2037 |
| 1408 | MIOA1738 | 1464 | MIOA1819a | 1520 | MIOA1898a | 1576 | MIOA1965a | 1632 | MIOA2038 |
| 1409 | MIOA1739 | 1465 | MIOA1821a | 1521 | mioa1899a | 1577 | MIOA1966a | 1633 | MIOA2039 |
| 1410 | MIOA1741 | 1466 | MIOA1822a | 1522 | MIOA1900a | 1578 | MIOA1967a | 1634 | MIOA2041 |
| 1411 | MIOA1742 | 1467 | MIOA1823a | 1523 | MIOA1901a | 1579 | MIOA1968a | 1635 | mioa2042 |
| 1412 | MIOA1743n | 1468 | MIOA1824a | 1524 | MIOA1902a | 1580 | MIOA1969a | 1636 | mioa2043 |
| 1413 | mioa1745n | 1469 | MIOA1825a | 1525 | MIOA1903a | 1581 | MIOA1971a | 1637 | MIOA2044 |
| 1414 | MIOA1748 | 1470 | MIOA1827a | 1526 | MIOA1904a | 1582 | MIOA1972a | 1638 | MIOA2046 |
| 1415 | mioa1750n | 1471 | mioa1828a | 1527 | MIOA1905a | 1583 | mioa1975a | 1639 | mioa2047m |
| 1416 | MIOA1752 | 1472 | MIOA1830a | 1528 | MIOA1906a | 1584 | MIOA1976a | 1640 | MIOA2049 |
| 1417 | MIOA1753 | 1473 | MIOA1832a | 1529 | MIOA1907a | 1585 | MIOA1978a | 1641 | MIOA2050 |
| 1418 | MIOA1755 | 1474 | MIOA1833a | 1530 | MIOA1908a | 1586 | MIOA1979a | 1642 | mioa2051n |
| 1419 | MIOA1756 | 1475 | MIOA1834a | 1531 | MIOA1909a | 1587 | MIOA1980a | 1643 | MIOA2052n |
| 1420 | MIOA1757 | 1476 | MIOA1835a | 1532 | MIOA1910a | 1588 | MIOA1981a | 1644 | MIOA2053 |
| 1421 | MIOA1758 | 1477 | MIOA1837a | 1533 | MIOA1911a | 1589 | MIOA1982a | 1645 | MIOA2054 |
| 1422 | MIOA1760 | 1478 | MIOA1838a | 1534 | MIOA1913a | 1590 | MIOA1983a | 1646 | MIOA2055 |
| 1423 | MIOA1761 | 1479 | MIOA1839a | 1535 | MIOA1914a | 1591 | mioa1984a | 1647 | MIOA2056 |
| 1424 | MIOA1763 | 1480 | MIOA1840a | 1536 | MIOA1915a | 1592 | MIOA1985 | 1648 | MIOA2057 |
| 1425 | mioa1764 | 1481 | MIOA1841a | 1537 | mioa1916a | 1593 | mioa1986 | 1649 | MIOA2058 |
| 1426 | MIOA1765 | 1482 | MIOA1843a | 1538 | MIOA1917a | 1594 | MIOA1987n | 1650 | MIOA2059n |
| 1427 | MIOA1766 | 1483 | MIOA1844a | 1539 | MIOA1918a | 1595 | MIOA1988 | 1651 | MIOA2060 |
| 1428 | MIOA1767 | 1484 | MIOA1845a | 1540 | MIOA1920a | 1596 | MIOA1989 | 1652 | MIOA2061n |
| 1429 | MIOA1769 | 1485 | MIOA1846a | 1541 | MIOA1921a | 1597 | MIOA1990 | 1653 | mioa2062 |
| 1430 | MIOA1770 | 1486 | MIOA1847a | 1542 | MIOA1922a | 1598 | MIOA1991 | 1654 | mioa2063 |
| 1431 | MIOA1771 | 1487 | MIOA1848a | 1543 | mioa1923a | 1599 | MIOA1992 | 1655 | MIOA2064 |
| 1432 | MIOA1773 | 1488 | MIOA1849a | 1544 | MIOA1924a | 1600 | MIOA1994 | 1656 | MIOA2065 |
| 1433 | MIOA1774 | 1489 | MIOA1851a | 1545 | MIOA1925a | 1601 | MIOA1995 | 1657 | MIOA2066 |
| 1434 | MIOA1775 | 1490 | MIOA1852a | 1546 | MIOA1927a | 1602 | MIOA1996 | 1658 | MIOA2068 |
| 1435 | mioa1776 | 1491 | MIOA1853a | 1547 | MIOA1928a | 1603 | MIOA1997 | 1659 | mioa2069 |
| 1436 | MIOA1777n | 1492 | mioa1854a | 1548 | MIOA1930a | 1604 | MIOA1999n | 1660 | MIOA2070 |
| 1437 | MIOA1778 | 1493 | MIOA1855a | 1549 | MIOA1932a | 1605 | MIOA2001n | 1661 | MIOA2071 |
| 1438 | MIOA1779 | 1494 | mioa1856m | 1550 | MIOA1933a | 1606 | MIOA2002 | 1662 | MIOA2072 |
| 1439 | MIOA1780 | 1495 | MIOA1857m | 1551 | mioa1934an | 1607 | MIOA2004 | 1663 | MIOA2073 |
| 1440 | MIOA1781 | 1496 | MIOA1858m | 1552 | MIOA1935a | 1608 | MIOA2005 | 1664 | MIOA2074 |
| 1441 | MIOA1784 | 1497 | mioa1864a | 1553 | MIOA1936a | 1609 | MIOA2006 | 1665 | MIOA2075 |
| 1442 | MIOA1785 | 1498 | MIOA1865a | 1554 | MIOA1937a | 1610 | MIOA2007 | 1666 | MIOA2076 |
| 1443 | MIOA1786 | 1499 | MIOA1866a | 1555 | MIOA1938a | 1611 | MIOA2008 | 1667 | MIOA2077 |
| 1444 | MIOA1788 | 1500 | MIOA1868a | 1556 | mioa1939a | 1612 | MIOA2009 | 1668 | MIOA2078 |
| 1445 | MIOA1790 | 1501 | mioa1870n | 1557 | MIOA1940a | 1613 | MIOA2010 | 1669 | MIOA2079n |
| 1446 | MIOA1791 | 1502 | mioa1871an | 1558 | MIOA1941a | 1614 | MIOA2013 | 1670 | MIOA2083n |
| 1447 | MIOA1792 | 1503 | MIOA1874a | 1559 | MIOA1942a | 1615 | MIOA2015 | 1671 | mioa2086 |
| 1448 | MIOA1793 | 1504 | MIOA1876a | 1560 | MIOA1943a | 1616 | MIOA2018 | 1672 | MIOA2087n |
| 1449 | MIOA1794 | 1505 | MIOA1880a | 1561 | MIOA1944a | 1617 | MIOA2019 | 1673 | MIOA2088 |
| 1450 | MIOA1795 | 1506 | mioa1881a | 1562 | MIOA1945a | 1618 | MIOA2021 | 1674 | MIOA2089 |
| 1451 | MIOA1797m | 1507 | MIOA1882a | 1563 | MIOA1947a | 1619 | mioa2022 | 1675 | MIOA2090 |
| 1452 | MIOA1798m | 1508 | MIOA1884a | 1564 | MIOA1948a | 1620 | MIOA2023 | 1676 | MIOA2091 |
| 1453 | mioa1800m | 1509 | MIOA1885a | 1565 | MIOA1949a | 1621 | MIOA2024 | 1677 | MIOA2092n |
| 1454 | MIOA1801m | 1510 | MIOA1887a | 1566 | MIOA1950a | 1622 | MIOA2025 | 1678 | MIOA2093 |
| 1455 | MIOA1802m | 1511 | MIOA1889a | 1567 | MIOA1952a | 1623 | MIOA2027 | 1679 | MIOA2094 |
| 1456 | MIOA1803m | 1512 | MIOA1890a | 1568 | MIOA1953a | 1624 | MIOA2028 | 1680 | MIOA2095 |

Figure 6D – Continued

| | | | | | | | | | |
|------|-----------|------|-----------|------|-----------|------|-----------|------|-----------|
| 1681 | MIOA2096 | 1737 | MIOA2163a | 1793 | MIOA2234a | 1849 | MIOA2303a | 1905 | MIOA2380a |
| 1682 | MIOA2097 | 1738 | MIOA2165a | 1794 | MIOA2235a | 1850 | MIOA2304a | 1906 | MIOA2381a |
| 1683 | MIOA2098 | 1739 | MIOA2167a | 1795 | MIOA2236a | 1851 | MIOA2305a | 1907 | MIOA2383a |
| 1684 | MIOA2099 | 1740 | MIOA2168a | 1796 | MIOA2238a | 1852 | MIOA2306a | 1908 | MIOA2384a |
| 1685 | MIOA2100 | 1741 | MIOA2170a | 1797 | MIOA2239a | 1853 | MIOA2309a | 1909 | MIOA2385a |
| 1686 | MIOA2102 | 1742 | MIOA2171a | 1798 | MIOA2241a | 1854 | MIOA2310a | 1910 | MIOA2386a |
| 1687 | MIOA2103 | 1743 | MIOA2172a | 1799 | MIOA2242a | 1855 | MIOA2311a | 1911 | MIOA2388a |
| 1688 | MIOA2104 | 1744 | MIOA2173a | 1800 | MIOA2243a | 1856 | MIOA2315a | 1912 | MIOA2389a |
| 1689 | mioa2106 | 1745 | MIOA2174a | 1801 | MIOA2244a | 1857 | MIOA2316a | 1913 | MIOA2390a |
| 1690 | MIOA2107 | 1746 | MIOA2175a | 1802 | MIOA2245a | 1858 | MIOA2319a | 1914 | MIOA2391a |
| 1691 | MIOA2109 | 1747 | MIOA2176a | 1803 | MIOA2246a | 1859 | MIOA2320a | 1915 | MIOA2393a |
| 1692 | MIOA2110 | 1748 | MIOA2177a | 1804 | MIOA2247a | 1860 | MIOA2323a | 1916 | MIOA2394a |
| 1693 | MIOA2111 | 1749 | MIOA2179a | 1805 | MIOA2248a | 1861 | MIOA2324a | 1917 | MIOA2395a |
| 1694 | MIOA2112 | 1750 | MIOA2180a | 1806 | MIOA2249a | 1862 | MIOA2326a | 1918 | MIOA2397a |
| 1695 | MIOA2113 | 1751 | MIOA2181a | 1807 | MIOA2251a | 1863 | MIOA2327a | 1919 | MIOA2398a |
| 1696 | MIOA2114 | 1752 | MIOA2182a | 1808 | MIOA2252a | 1864 | MIOA2328a | 1920 | MIOA2399a |
| 1697 | MIOA2116 | 1753 | MIOA2183a | 1809 | MIOA2254a | 1865 | mioa2329a | 1921 | MIOA2400a |
| 1698 | mioa2117m | 1754 | MIOA2184a | 1810 | MIOA2256a | 1866 | MIOA2330a | 1922 | MIOA2401a |
| 1699 | MIOA2118 | 1755 | MIOA2185a | 1811 | MIOA2257a | 1867 | MIOA2331a | 1923 | MIOA2402a |
| 1700 | MIOA2119 | 1756 | MIOA2186a | 1812 | MIOA2258a | 1868 | MIOA2332a | 1924 | MIOA2409a |
| 1701 | MIOA2120 | 1757 | MIOA2188a | 1813 | MIOA2259a | 1869 | MIOA2333a | 1925 | MIOA2411a |
| 1702 | MIOA2122 | 1758 | MIOA2189a | 1814 | MIOA2260a | 1870 | MIOA2334a | 1926 | MIOA2412a |
| 1703 | MIOA2123 | 1759 | MIOA2190a | 1815 | MIOA2261a | 1871 | MIOA2335a | 1927 | MIOA2413a |
| 1704 | MIOA2124 | 1760 | MIOA2191a | 1816 | MIOA2262a | 1872 | MIOA2337a | 1928 | MIOA2414a |
| 1705 | mioa2125 | 1761 | MIOA2192a | 1817 | MIOA2263a | 1873 | MIOA2338a | 1929 | MIOA2415a |
| 1706 | mioa2126m | 1762 | MIOA2193a | 1818 | MIOA2264a | 1874 | MIOA2339a | 1930 | MIOA2416a |
| 1707 | mioa2127m | 1763 | MIOA2194a | 1819 | MIOA2265a | 1875 | MIOA2340a | 1931 | MIOA2417a |
| 1708 | MIOA2128 | 1764 | MIOA2195a | 1820 | mioa2266a | 1876 | MIOA2341a | 1932 | MIOA2418a |
| 1709 | mioa2129m | 1765 | MIOA2196a | 1821 | MIOA2268a | 1877 | MIOA2342a | 1933 | MIOA2419a |
| 1710 | mioa2130m | 1766 | MIOA2197a | 1822 | MIOA2269a | 1878 | MIOA2343a | 1934 | MIOA2420a |
| 1711 | mioa2133m | 1767 | mioa2199n | 1823 | MIOA2270a | 1879 | MIOA2344a | 1935 | MIOA2421a |
| 1712 | MIOA2134 | 1768 | MIOA2200a | 1824 | MIOA2273a | 1880 | MIOA2346a | 1936 | MIOA2422a |
| 1713 | MIOA2135 | 1769 | MIOA2201a | 1825 | MIOA2274a | 1881 | MIOA2347a | 1937 | MIOA2423a |
| 1714 | MIOA2136 | 1770 | MIOA2202a | 1826 | MIOA2275a | 1882 | mioa2348a | 1938 | MIOA2424a |
| 1715 | MIOA2137 | 1771 | MIOA2203a | 1827 | MIOA2276a | 1883 | MIOA2349a | 1939 | MIOA2425a |
| 1716 | MIOA2140 | 1772 | MIOA2204a | 1828 | MIOA2277a | 1884 | MIOA2350a | 1940 | MIOA2426a |
| 1717 | MIOA2141 | 1773 | MIOA2205a | 1829 | MIOA2278a | 1885 | MIOA2351a | 1941 | MIOA2427a |
| 1718 | mioa2142n | 1774 | MIOA2206a | 1830 | mioa2279a | 1886 | MIOA2352a | 1942 | MIOA2428a |
| 1719 | MIOA2144 | 1775 | MIOA2207a | 1831 | MIOA2280a | 1887 | MIOA2353a | 1943 | MIOA2430a |
| 1720 | MIOA2146 | 1776 | MIOA2209a | 1832 | MIOA2281a | 1888 | MIOA2355a | 1944 | MIOA2432a |
| 1721 | mioa2147 | 1777 | MIOA2210a | 1833 | MIOA2285a | 1889 | MIOA2358a | 1945 | MIOA2433a |
| 1722 | mioa2148 | 1778 | MIOA2211a | 1834 | MIOA2287a | 1890 | MIOA2360a | 1946 | MIOA2434a |
| 1723 | mioa2149 | 1779 | MIOA2212a | 1835 | MIOA2288a | 1891 | MIOA2361a | 1947 | MIOA2435a |
| 1724 | MIOA2150 | 1780 | MIOA2213a | 1836 | MIOA2289a | 1892 | mioa2363a | 1948 | MIOA2436a |
| 1725 | mioa2151m | 1781 | MIOA2214a | 1837 | MIOA2290a | 1893 | MIOA2364a | 1949 | MIOA2437a |
| 1726 | MIOA2152 | 1782 | MIOA2217a | 1838 | MIOA2291a | 1894 | MIOA2365a | 1950 | MIOA2439a |
| 1727 | mioa2153m | 1783 | MIOA2222a | 1839 | MIOA2292a | 1895 | MIOA2366a | 1951 | MIOA2441a |
| 1728 | MIOA2154a | 1784 | MIOA2223a | 1840 | MIOA2293a | 1896 | MIOA2368a | 1952 | MIOA2444a |
| 1729 | MIOA2155a | 1785 | MIOA2224a | 1841 | MIOA2295a | 1897 | MIOA2371a | 1953 | MIOA2445a |
| 1730 | MIOA2156a | 1786 | MIOA2225a | 1842 | MIOA2296a | 1898 | MIOA2372a | 1954 | MIOA2446a |
| 1731 | MIOA2157a | 1787 | MIOA2226a | 1843 | MIOA2297a | 1899 | mioa2373a | 1955 | MIOA2447a |
| 1732 | MIOA2158a | 1788 | MIOA2227a | 1844 | MIOA2298a | 1900 | MIOA2374a | 1956 | mioa2448a |
| 1733 | MIOA2159a | 1789 | MIOA2229a | 1845 | MIOA2299a | 1901 | mioa2375a | 1957 | MIOA2449a |
| 1734 | MIOA2160a | 1790 | MIOA2230a | 1846 | MIOA2300a | 1902 | MIOA2377a | 1958 | MIOA2451a |
| 1735 | MIOA2161a | 1791 | MIOA2232a | 1847 | MIOA2301a | 1903 | MIOA2378a | 1959 | MIOA2452a |
| 1736 | MIOA2162a | 1792 | MIOA2233a | 1848 | MIOA2302a | 1904 | MIOA2379a | 1960 | MIOA2454a |

Figure 6D – Continued

| | | | | | | | | | |
|------|------------|------|------------|------|-----------|------|-----------|------|------------|
| 1961 | MIOA2455a | 2017 | MIOA2534a | 2073 | MIOA2607a | 2129 | MIOA2697a | 2185 | MIOA2786a |
| 1962 | MIOA2457a | 2018 | MIOA2536a | 2074 | MIOA2608a | 2130 | MIOA2698a | 2186 | MIOA2787a |
| 1963 | MIOA2458a | 2019 | MIOA2537a | 2075 | MIOA2609a | 2131 | MIOA2700a | 2187 | MIOA2788a |
| 1964 | mioa2459a | 2020 | MIOA2540a | 2076 | MIOA2613a | 2132 | MIOA2702a | 2188 | MIOA2789a |
| 1965 | MIOA2460a | 2021 | MIOA2541a | 2077 | MIOA2615a | 2133 | MIOA2704a | 2189 | MIOA2790a |
| 1966 | MIOA2462a | 2022 | MIOA2542a | 2078 | MIOA2616a | 2134 | MIOA2705a | 2190 | MIOA2791a |
| 1967 | mioa2463a | 2023 | MIOA2545a | 2079 | MIOA2617a | 2135 | MIOA2706a | 2191 | MIOA2792a |
| 1968 | MIOA2465a | 2024 | MIOA2546a | 2080 | mioa2618 | 2136 | MIOA2707a | 2192 | MIOA2794a |
| 1969 | MIOA2466a | 2025 | MIOA2547a | 2081 | MIOA2619 | 2137 | MIOA2708a | 2193 | MIOA2795a |
| 1970 | MIOA2467a | 2026 | MIOA2548a | 2082 | MIOA2620 | 2138 | MIOA2709a | 2194 | MIOA2796a |
| 1971 | MIOA2468a | 2027 | MIOA2549a | 2083 | MIOA2621 | 2139 | MIOA2711a | 2195 | MIOA2797a |
| 1972 | MIOA2470a | 2028 | MIOA2550a | 2084 | MIOA2622 | 2140 | MIOA2714a | 2196 | MIOA2798a |
| 1973 | MIOA2471a | 2029 | MIOA2551a | 2085 | mioa2623 | 2141 | MIOA2715a | 2197 | MIOA2799a |
| 1974 | MIOA2472a | 2030 | MIOA2552a | 2086 | MIOA2624 | 2142 | MIOA2716a | 2198 | MIOA2800a |
| 1975 | MIOA2475a | 2031 | MIOA2553a | 2087 | MIOA2625 | 2143 | MIOA2717a | 2199 | MIOA2801a |
| 1976 | mioa2476a | 2032 | MIOA2554a | 2088 | MIOA2626 | 2144 | MIOA2718a | 2200 | MIOA2802a |
| 1977 | MIOA2478a | 2033 | MIOA2555a | 2089 | mioa2627 | 2145 | MIOA2720a | 2201 | MIOA2803a |
| 1978 | MIOA2479a | 2034 | MIOA2556a | 2090 | MIOA2628 | 2146 | MIOA2722a | 2202 | MIOA2804a |
| 1979 | MIOA2481a | 2035 | mioa2557a | 2091 | MIOA2629 | 2147 | MIOA2725a | 2203 | MIOA2805a |
| 1980 | MIOA2482a | 2036 | MIOA2558a | 2092 | MIOA2630 | 2148 | MIOA2727a | 2204 | mioa2806a |
| 1981 | MIOA2483a | 2037 | MIOA2559a | 2093 | MIOA2631 | 2149 | MIOA2729a | 2205 | MIOA2807a |
| 1982 | MIOA2485a | 2038 | MIOA2560a | 2094 | MIOA2632 | 2150 | MIOA2730a | 2206 | mioa2808a |
| 1983 | MIOA2486a | 2039 | MIOA2561a | 2095 | MIOA2633 | 2151 | MIOA2734a | 2207 | MIOA2809a |
| 1984 | MIOA2487a | 2040 | MIOA2563a | 2096 | MIOA2634 | 2152 | MIOA2735a | 2208 | MIOA2810a |
| 1985 | mioa2488an | 2041 | MIOA2564a | 2097 | MIOA2635 | 2153 | MIOA2736a | 2209 | mioa2811a |
| 1986 | MIOA2489a | 2042 | MIOA2565a | 2098 | MIOA2636 | 2154 | MIOA2740a | 2210 | MIOA2812a |
| 1987 | MIOA2490a | 2043 | MIOA2567a | 2099 | mioa2637n | 2155 | MIOA2743a | 2211 | mioa2813a |
| 1988 | MIOA2491a | 2044 | MIOA2568a | 2100 | mioa2638m | 2156 | MIOA2747a | 2212 | MIOA2814a |
| 1989 | mioa2492a | 2045 | MIOA2569a | 2101 | MIOA2639 | 2157 | MIOA2750a | 2213 | MIOA2815a |
| 1990 | MIOA2493a | 2046 | MIOA2570a | 2102 | MIOA2641 | 2158 | MIOA2753a | 2214 | MIOA2816a |
| 1991 | MIOA2494a | 2047 | MIOA2571a | 2103 | MIOA2642 | 2159 | MIOA2754a | 2215 | MIOA2818a |
| 1992 | MIOA2495a | 2048 | MIOA2572a | 2104 | MIOA2643 | 2160 | MIOA2756a | 2216 | MIOA2820a |
| 1993 | MIOA2496a | 2049 | MIOA2573a | 2105 | MIOA2645 | 2161 | MIOA2757a | 2217 | MIOA2822a |
| 1994 | MIOA2499a | 2050 | MIOA2574a | 2106 | MIOA2646 | 2162 | MIOA2758a | 2218 | MIOA2823a |
| 1995 | MIOA2502a | 2051 | MIOA2575a | 2107 | MIOA2647 | 2163 | MIOA2759a | 2219 | MIOA2825a |
| 1996 | mioa2503an | 2052 | MIOA2576a | 2108 | MIOA2648 | 2164 | MIOA2760a | 2220 | MIOA2826a |
| 1997 | mioa2504an | 2053 | mioa2577a | 2109 | MIOA2650 | 2165 | MIOA2761a | 2221 | MIOA2827a |
| 1998 | MIOA2505a | 2054 | MIOA2580a | 2110 | MIOA2652a | 2166 | MIOA2762a | 2222 | MIOA2828a |
| 1999 | MIOA2506a | 2055 | MIOA2581a | 2111 | MIOA2657a | 2167 | MIOA2764a | 2223 | mioa2830an |
| 2000 | MIOA2507a | 2056 | MIOA2583a | 2112 | MIOA2662a | 2168 | MIOA2765a | 2224 | MIOA2832a |
| 2001 | MIOA2509a | 2057 | MIOA2584a | 2113 | MIOA2663a | 2169 | MIOA2766a | 2225 | MIOA2833a |
| 2002 | MIOA2510a | 2058 | MIOA2587a | 2114 | MIOA2674a | 2170 | MIOA2768a | 2226 | MIOA2836a |
| 2003 | MIOA2511a | 2059 | MIOA2588a | 2115 | MIOA2675a | 2171 | MIOA2769a | 2227 | MIOA2837a |
| 2004 | MIOA2512a | 2060 | MIOA2589a | 2116 | MIOA2678a | 2172 | MIOA2770a | 2228 | MIOA2838a |
| 2005 | MIOA2515a | 2061 | MIOA2590a | 2117 | MIOA2679a | 2173 | mioa2772a | 2229 | MIOA2839a |
| 2006 | MIOA2518a | 2062 | MIOA2591a | 2118 | MIOA2680a | 2174 | MIOA2773a | 2230 | MIOA2841a |
| 2007 | MIOA2521a | 2063 | MIOA2593a | 2119 | MIOA2681a | 2175 | MIOA2774a | 2231 | MIOA2842a |
| 2008 | MIOA2522a | 2064 | MIOA2596a | 2120 | MIOA2684a | 2176 | MIOA2775a | 2232 | MIOA2844a |
| 2009 | MIOA2523a | 2065 | MIOA2598a | 2121 | MIOA2687a | 2177 | MIOA2777a | 2233 | MIOA2846a |
| 2010 | MIOA2524a | 2066 | MIOA2599a | 2122 | MIOA2689a | 2178 | MIOA2778a | 2234 | MIOA2847a |
| 2011 | MIOA2527a | 2067 | MIOA2601a | 2123 | MIOA2690a | 2179 | MIOA2779a | 2235 | MIOA2848a |
| 2012 | MIOA2528a | 2068 | MIOA2602a | 2124 | MIOA2691a | 2180 | MIOA2781a | 2236 | MIOA2850a |
| 2013 | MIOA2529a | 2069 | MIOA2603a | 2125 | MIOA2692a | 2181 | MIOA2782a | 2237 | MIOA2851a |
| 2014 | MIOA2531a | 2070 | MIOA2604a | 2126 | MIOA2693a | 2182 | MIOA2783a | 2238 | MIOA2852a |
| 2015 | MIOA2532a | 2071 | MIOA2605a | 2127 | MIOA2694a | 2183 | MIOA2784a | 2239 | MIOA2853a |
| 2016 | MIOA2533a | 2072 | mioa2606an | 2128 | MIOA2696a | 2184 | MIOA2785a | 2240 | MIOA2854a |

Figure 6D – Continued

| | | | | | | | | | |
|------|------------|------|------------|------|------------|------|------------|------|------------|
| 2241 | MIOA2855a | 2297 | MIOA2939a | 2353 | MIOA3003a | 2409 | MIOA3090a | 2465 | MIOA3170a |
| 2242 | MIOA2856a | 2298 | MIOA2940a | 2354 | mioa3005a | 2410 | MIOA3092a | 2466 | mioa3172 |
| 2243 | MIOA2857a | 2299 | mioa2941an | 2355 | MIOA3007a | 2411 | MIOA3096a | 2467 | MIOA3173a |
| 2244 | MIOA2858a | 2300 | MIOA2943a | 2356 | MIOA3009a | 2412 | MIOA3097a | 2468 | MIOA3174a |
| 2245 | MIOA2859a | 2301 | MIOA2944a | 2357 | MIOA3013a | 2413 | mioa3098a | 2469 | MIOA3175a |
| 2246 | MIOA2860a | 2302 | MIOA2945a | 2358 | MIOA3014a | 2414 | MIOA3101a | 2470 | mioa3176a |
| 2247 | MIOA2861a | 2303 | MIOA2946a | 2359 | MIOA3016a | 2415 | MIOA3102a | 2471 | MIOA3177a |
| 2248 | MIOA2862a | 2304 | MIOA2947a | 2360 | MIOA3018a | 2416 | MIOA3103a | 2472 | MIOA3178a |
| 2249 | MIOA2863a | 2305 | mioa2948a | 2361 | MIOA3020a | 2417 | MIOA3104a | 2473 | MIOA3179a |
| 2250 | MIOA2864a | 2306 | MIOA2949a | 2362 | MIOA3021a | 2418 | MIOA3105a | 2474 | mioa3182a |
| 2251 | MIOA2866a | 2307 | MIOA2950a | 2363 | MIOA3022a | 2419 | MIOA3106a | 2475 | MIOA3183a |
| 2252 | MIOA2868a | 2308 | MIOA2951a | 2364 | MIOA3023a | 2420 | MIOA3107a | 2476 | MIOA3185a |
| 2253 | MIOA2869a | 2309 | MIOA2952a | 2365 | MIOA3024a | 2421 | MIOA3109a | 2477 | mioa3186a |
| 2254 | MIOA2871a | 2310 | MIOA2953a | 2366 | MIOA3025a | 2422 | MIOA3110a | 2478 | MIOA3187a |
| 2255 | MIOA2872a | 2311 | MIOA2954a | 2367 | MIOA3027a | 2423 | MIOA3111a | 2479 | MIOA3188a |
| 2256 | MIOA2874a | 2312 | mioa2955a | 2368 | MIOA3028a | 2424 | MIOA3112a | 2480 | MIOA3189a |
| 2257 | MIOA2875a | 2313 | MIOA2956a | 2369 | mioa3029an | 2425 | mioa3114a | 2481 | MIOA3192a |
| 2258 | MIOA2878a | 2314 | MIOA2958a | 2370 | MIOA3030a | 2426 | mioa3115an | 2482 | MIOA3193a |
| 2259 | MIOA2885a | 2315 | MIOA2959a | 2371 | MIOA3031a | 2427 | MIOA3117a | 2483 | MIOA3194a |
| 2260 | MIOA2886a | 2316 | MIOA2960a | 2372 | MIOA3032a | 2428 | MIOA3118a | 2484 | mioa3195a |
| 2261 | MIOA2887a | 2317 | MIOA2961a | 2373 | MIOA3034a | 2429 | MIOA3121a | 2485 | MIOA3196a |
| 2262 | MIOA2888a | 2318 | MIOA2962a | 2374 | MIOA3036a | 2430 | MIOA3122a | 2486 | mioa3198a |
| 2263 | MIOA2889a | 2319 | MIOA2963a | 2375 | MIOA3037a | 2431 | MIOA3123a | 2487 | MIOA3199a |
| 2264 | MIOA2890a | 2320 | mioa2964a | 2376 | MIOA3038a | 2432 | MIOA3124a | 2488 | MIOA3200a |
| 2265 | MIOA2893a | 2321 | MIOA2965a | 2377 | MIOA3039a | 2433 | MIOA3127a | 2489 | MIOA3203a |
| 2266 | MIOA2895a | 2322 | MIOA2966a | 2378 | MIOA3040a | 2434 | MIOA3129a | 2490 | MIOA3204a |
| 2267 | MIOA2897a | 2323 | MIOA2968a | 2379 | MIOA3041a | 2435 | MIOA3132a | 2491 | MIOA3205a |
| 2268 | MIOA2898a | 2324 | MIOA2970a | 2380 | MIOA3042a | 2436 | MIOA3133a | 2492 | MIOA3206a |
| 2269 | MIOA2899a | 2325 | MIOA2971a | 2381 | MIOA3043a | 2437 | MIOA3135a | 2493 | mioa3208a |
| 2270 | mioa2900an | 2326 | MIOA2973a | 2382 | MIOA3044a | 2438 | MIOA3136a | 2494 | MIOA3209a |
| 2271 | mioa2901a | 2327 | MIOA2975a | 2383 | mioa3045a | 2439 | mioa3137an | 2495 | MIOA3210a |
| 2272 | MIOA2902a | 2328 | MIOA2976a | 2384 | MIOA3047a | 2440 | MIOA3138a | 2496 | MIOA3212a |
| 2273 | MIOA2904a | 2329 | MIOA2977a | 2385 | MIOA3048a | 2441 | mioa3140a | 2497 | MIOA3213a |
| 2274 | MIOA2905a | 2330 | MIOA2978a | 2386 | mioa3049an | 2442 | MIOA3141a | 2498 | MIOA3216a |
| 2275 | MIOA2907a | 2331 | MIOA2979a | 2387 | MIOA3051a | 2443 | MIOA3143a | 2499 | MIOA3217a |
| 2276 | MIOA2908a | 2332 | MIOA2981a | 2388 | MIOA3053a | 2444 | MIOA3144a | 2500 | MIOA3223a |
| 2277 | MIOA2909a | 2333 | MIOA2982a | 2389 | MIOA3055a | 2445 | MIOA3146a | 2501 | MIOA3224a |
| 2278 | MIOA2910a | 2334 | MIOA2983a | 2390 | MIOA3057a | 2446 | MIOA3147a | 2502 | MIOA3226a |
| 2279 | MIOA2913a | 2335 | MIOA2984a | 2391 | MIOA3058a | 2447 | MIOA3148a | 2503 | MIOA3227a |
| 2280 | MIOA2914a | 2336 | MIOA2986a | 2392 | MIOA3060a | 2448 | mioa3149an | 2504 | mioa3229an |
| 2281 | MIOA2915a | 2337 | MIOA2987a | 2393 | MIOA3063a | 2449 | MIOA3150a | 2505 | MIOA3231a |
| 2282 | MIOA2917a | 2338 | MIOA2988a | 2394 | MIOA3064a | 2450 | MIOA3151a | 2506 | MIOA3232a |
| 2283 | MIOA2921a | 2339 | MIOA2989a | 2395 | MIOA3065a | 2451 | MIOA3152a | 2507 | MIOA3233a |
| 2284 | MIOA2922a | 2340 | MIOA2990a | 2396 | MIOA3066a | 2452 | MIOA3153a | 2508 | MIOA3236a |
| 2285 | MIOA2923a | 2341 | MIOA2991a | 2397 | MIOA3067a | 2453 | MIOA3154a | 2509 | MIOA3237a |
| 2286 | MIOA2925a | 2342 | MIOA2992a | 2398 | MIOA3070a | 2454 | MIOA3157a | 2510 | MIOA3239a |
| 2287 | MIOA2926a | 2343 | MIOA2993a | 2399 | MIOA3073a | 2455 | MIOA3159a | 2511 | MIOA3241a |
| 2288 | MIOA2927a | 2344 | MIOA2994a | 2400 | MIOA3074a | 2456 | MIOA3160a | 2512 | MIOA3243a |
| 2289 | MIOA2930a | 2345 | MIOA2995a | 2401 | MIOA3079a | 2457 | MIOA3161a | 2513 | MIOA3244a |
| 2290 | MIOA2931a | 2346 | MIOA2996a | 2402 | MIOA3080a | 2458 | MIOA3162a | 2514 | MIOA3245a |
| 2291 | MIOA2932a | 2347 | MIOA2997a | 2403 | MIOA3081a | 2459 | MIOA3163a | 2515 | MIOA3248a |
| 2292 | mioa2933a | 2348 | MIOA2998a | 2404 | MIOA3082a | 2460 | MIOA3164a | 2516 | MIOA3250a |
| 2293 | mioa2934a | 2349 | MIOA2999a | 2405 | MIOA3083a | 2461 | MIOA3165a | 2517 | mioa3251an |
| 2294 | MIOA2936a | 2350 | MIOA3000a | 2406 | MIOA3084a | 2462 | MIOA3166a | 2518 | mioa3252a |
| 2295 | MIOA2937a | 2351 | MIOA3001a | 2407 | MIOA3086a | 2463 | MIOA3167a | 2519 | MIOA3253a |
| 2296 | MIOA2938a | 2352 | MIOA3002a | 2408 | MIOA3089a | 2464 | MIOA3169a | 2520 | mioa3254an |

Figure 6D – Continued

| | | | | | | | | | |
|------|-----------|------|------------|------|------------|------|------------|------|-----------|
| 2521 | MIOA3255a | 2577 | MIOA3322a | 2633 | MIOA3388a | 2689 | MIOA3455a | 2745 | MIOA3527a |
| 2522 | MIOA3257a | 2578 | MIOA3325a | 2634 | MIOA3389a | 2690 | MIOA3456a | 2746 | MIOA3528a |
| 2523 | MIOA3258a | 2579 | MIOA3326a | 2635 | MIOA3390a | 2691 | MIOA3458a | 2747 | MIOA3530a |
| 2524 | MIOA3259a | 2580 | MIOA3327a | 2636 | MIOA3392a | 2692 | MIOA3460a | 2748 | MIOA3531a |
| 2525 | MIOA3260a | 2581 | MIOA3328a | 2637 | MIOA3393a | 2693 | MIOA3461a | 2749 | MIOA3532a |
| 2526 | MIOA3261a | 2582 | MIOA3329a | 2638 | MIOA3394a | 2694 | MIOA3462a | 2750 | MIOA3533a |
| 2527 | MIOA3262a | 2583 | MIOA3330a | 2639 | MIOA3395a | 2695 | MIOA3464a | 2751 | MIOA3534a |
| 2528 | MIOA3265a | 2584 | MIOA3331a | 2640 | MIOA3396a | 2696 | MIOA3465a | 2752 | MIOA3535a |
| 2529 | mioa3266a | 2585 | MIOA3332a | 2641 | MIOA3397a | 2697 | MIOA3466a | 2753 | MIOA3536a |
| 2530 | MIOA3268a | 2586 | MIOA3333a | 2642 | MIOA3398a | 2698 | MIOA3467a | 2754 | MIOA3537a |
| 2531 | MIOA3269a | 2587 | MIOA3334a | 2643 | MIOA3399a | 2699 | MIOA3468a | 2755 | MIOA3538a |
| 2532 | mioa3271n | 2588 | MIOA3335a | 2644 | MIOA3400a | 2700 | MIOA3469a | 2756 | MIOA3540a |
| 2533 | mioa3272n | 2589 | mioa3336a | 2645 | MIOA3401a | 2701 | MIOA3470a | 2757 | mioa3541a |
| 2534 | MIOA3274 | 2590 | mioa3337a | 2646 | MIOA3402a | 2702 | MIOA3471a | 2758 | MIOA3543a |
| 2535 | MIOA3275 | 2591 | MIOA3339a | 2647 | mioa3404a | 2703 | MIOA3472a | 2759 | MIOA3544a |
| 2536 | mioa3276n | 2592 | MIOA3340a | 2648 | MIOA3405a | 2704 | MIOA3473a | 2760 | MIOA3545a |
| 2537 | MIOA3277 | 2593 | MIOA3341a | 2649 | MIOA3406a | 2705 | MIOA3474a | 2761 | MIOA3547a |
| 2538 | MIOA3278 | 2594 | MIOA3342a | 2650 | MIOA3408a | 2706 | MIOA3475a | 2762 | MIOA3548a |
| 2539 | MIOA3279a | 2595 | MIOA3343a | 2651 | MIOA3409a | 2707 | MIOA3476a | 2763 | MIOA3549a |
| 2540 | MIOA3281a | 2596 | MIOA3344a | 2652 | MIOA3410a | 2708 | MIOA3478a | 2764 | MIOA3550a |
| 2541 | MIOA3282a | 2597 | MIOA3345a | 2653 | MIOA3411a | 2709 | MIOA3479a | 2765 | MIOA3551a |
| 2542 | MIOA3283a | 2598 | MIOA3346a | 2654 | mioa3412a | 2710 | MIOA3480a | 2766 | MIOA3552a |
| 2543 | MIOA3284a | 2599 | MIOA3347a | 2655 | MIOA3414a | 2711 | mioa3481an | 2767 | MIOA3554a |
| 2544 | MIOA3286a | 2600 | MIOA3348a | 2656 | mioa3415a | 2712 | MIOA3482a | 2768 | MIOA3555a |
| 2545 | MIOA3287a | 2601 | MIOA3349a | 2657 | MIOA3416a | 2713 | MIOA3483a | 2769 | MIOA3557a |
| 2546 | mioa3288a | 2602 | MIOA3350a | 2658 | MIOA3417a | 2714 | MIOA3485a | 2770 | MIOA3558a |
| 2547 | MIOA3289a | 2603 | MIOA3351a | 2659 | MIOA3418a | 2715 | MIOA3486a | 2771 | MIOA3559a |
| 2548 | MIOA3290a | 2604 | MIOA3352a | 2660 | MIOA3419a | 2716 | MIOA3488a | 2772 | MIOA3562a |
| 2549 | MIOA3291a | 2605 | MIOA3353a | 2661 | mioa3420an | 2717 | MIOA3489a | 2773 | MIOA3564a |
| 2550 | MIOA3292a | 2606 | MIOA3354a | 2662 | MIOA3421a | 2718 | MIOA3492a | 2774 | MIOA3565a |
| 2551 | MIOA3293a | 2607 | MIOA3355a | 2663 | MIOA3422a | 2719 | MIOA3493a | 2775 | MIOA3566a |
| 2552 | MIOA3294a | 2608 | MIOA3357a | 2664 | MIOA3423a | 2720 | mioa3495a | 2776 | MIOA3567a |
| 2553 | MIOA3295a | 2609 | MIOA3359a | 2665 | mioa3424a | 2721 | MIOA3498a | 2777 | MIOA3568a |
| 2554 | MIOA3296a | 2610 | MIOA3361a | 2666 | MIOA3425a | 2722 | MIOA3500a | 2778 | MIOA3569a |
| 2555 | MIOA3297a | 2611 | MIOA3362a | 2667 | mioa3426a | 2723 | MIOA3501a | 2779 | MIOA3570a |
| 2556 | MIOA3298a | 2612 | mioa3363a | 2668 | MIOA3428a | 2724 | MIOA3502a | 2780 | MIOA3571a |
| 2557 | MIOA3301a | 2613 | MIOA3364a | 2669 | MIOA3429a | 2725 | MIOA3503a | 2781 | MIOA3572a |
| 2558 | MIOA3303a | 2614 | MIOA3365a | 2670 | mioa3430an | 2726 | MIOA3504a | 2782 | MIOA3573a |
| 2559 | mioa3304a | 2615 | MIOA3367a | 2671 | mioa3431a | 2727 | MIOA3505a | 2783 | mioa3574a |
| 2560 | MIOA3305a | 2616 | MIOA3368a | 2672 | MIOA3432a | 2728 | MIOA3507a | 2784 | MIOA3575a |
| 2561 | MIOA3306a | 2617 | mioa3369an | 2673 | MIOA3433a | 2729 | MIOA3508a | 2785 | MIOA3576a |
| 2562 | MIOA3307a | 2618 | MIOA3370a | 2674 | MIOA3434a | 2730 | MIOA3510a | 2786 | MIOA3577a |
| 2563 | MIOA3308a | 2619 | MIOA3372a | 2675 | MIOA3435a | 2731 | MIOA3511a | 2787 | MIOA3578a |
| 2564 | MIOA3309a | 2620 | MIOA3373a | 2676 | MIOA3436a | 2732 | MIOA3512a | 2788 | MIOA3579a |
| 2565 | mioa3310a | 2621 | MIOA3375a | 2677 | MIOA3437a | 2733 | mioa3513a | 2789 | MIOA3580a |
| 2566 | MIOA3311a | 2622 | MIOA3377a | 2678 | MIOA3439a | 2734 | MIOA3514a | 2790 | MIOA3581a |
| 2567 | MIOA3312a | 2623 | MIOA3378a | 2679 | MIOA3440a | 2735 | MIOA3515a | 2791 | MIOA3582a |
| 2568 | MIOA3313a | 2624 | MIOA3379a | 2680 | MIOA3443a | 2736 | MIOA3518a | 2792 | MIOA3583a |
| 2569 | MIOA3314a | 2625 | MIOA3380a | 2681 | MIOA3444a | 2737 | MIOA3519a | 2793 | MIOA3584a |
| 2570 | MIOA3315a | 2626 | MIOA3381a | 2682 | MIOA3445a | 2738 | MIOA3520a | 2794 | mioa3585a |
| 2571 | MIOA3316a | 2627 | MIOA3382a | 2683 | MIOA3447a | 2739 | MIOA3521a | 2795 | MIOA3586a |
| 2572 | MIOA3317a | 2628 | MIOA3383a | 2684 | MIOA3449a | 2740 | MIOA3522a | 2796 | MIOA3587a |
| 2573 | MIOA3318a | 2629 | mioa3384a | 2685 | MIOA3450a | 2741 | MIOA3523a | 2797 | MIOA3588a |
| 2574 | MIOA3319a | 2630 | MIOA3385a | 2686 | MIOA3451a | 2742 | MIOA3524a | 2798 | MIOA3589a |
| 2575 | MIOA3320a | 2631 | MIOA3386a | 2687 | MIOA3452a | 2743 | MIOA3525a | 2799 | MIOA3590a |
| 2576 | MIOA3321a | 2632 | MIOA3387a | 2688 | MIOA3453a | 2744 | MIOA3526a | 2800 | MIOA3591a |

Figure 6D – Continued

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|------|-----------|------|------------|------|-----------|------|-----------|------|-----------|
| 2801 | MIOA3594a | 2857 | MIOA3668a | 2913 | MIOA3731a | 2969 | MIOA3802 | 3025 | MIOA3878 |
| 2802 | MIOA3595a | 2858 | MIOA3669a | 2914 | MIOA3733a | 2970 | MIOA3803 | 3026 | MIOA3880a |
| 2803 | MIOA3596a | 2859 | mioa3670an | 2915 | MIOA3734a | 2971 | MIOA3804 | 3027 | mioa3881a |
| 2804 | MIOA3597a | 2860 | MIOA3671a | 2916 | MIOA3735a | 2972 | MIOA3805 | 3028 | MIOA3882a |
| 2805 | MIOA3598a | 2861 | MIOA3672a | 2917 | MIOA3737a | 2973 | MIOA3806 | 3029 | mioa3883a |
| 2806 | MIOA3599a | 2862 | MIOA3673a | 2918 | MIOA3738a | 2974 | MIOA3807 | 3030 | MIOA3884a |
| 2807 | MIOA3600a | 2863 | MIOA3674a | 2919 | MIOA3739a | 2975 | mioa3808 | 3031 | MIOA3885a |
| 2808 | MIOA3601a | 2864 | MIOA3675a | 2920 | MIOA3741a | 2976 | MIOA3809 | 3032 | MIOA3886a |
| 2809 | MIOA3602a | 2865 | MIOA3677a | 2921 | MIOA3742a | 2977 | MIOA3811 | 3033 | MIOA3887a |
| 2810 | MIOA3604a | 2866 | MIOA3678a | 2922 | MIOA3743a | 2978 | MIOA3812 | 3034 | MIOA3888a |
| 2811 | MIOA3605a | 2867 | MIOA3679a | 2923 | MIOA3744a | 2979 | MIOA3813 | 3035 | MIOA3889a |
| 2812 | MIOA3606a | 2868 | MIOA3680a | 2924 | MIOA3745a | 2980 | mioa3814n | 3036 | MIOA3890a |
| 2813 | MIOA3608a | 2869 | MIOA3682a | 2925 | MIOA3746a | 2981 | MIOA3815 | 3037 | MIOA3891a |
| 2814 | MIOA3611a | 2870 | MIOA3683a | 2926 | MIOA3748a | 2982 | mioa3816n | 3038 | MIOA3892a |
| 2815 | MIOA3612a | 2871 | MIOA3684a | 2927 | MIOA3750a | 2983 | MIOA3818 | 3039 | mioa3893a |
| 2816 | MIOA3614a | 2872 | MIOA3685a | 2928 | MIOA3751a | 2984 | MIOA3819 | 3040 | mioa3894a |
| 2817 | MIOA3615a | 2873 | MIOA3686a | 2929 | MIOA3752a | 2985 | MIOA3820 | 3041 | mioa3895a |
| 2818 | MIOA3616a | 2874 | MIOA3687a | 2930 | MIOA3754a | 2986 | mioa3821 | 3042 | mioa3896a |
| 2819 | MIOA3617a | 2875 | MIOA3688a | 2931 | MIOA3755a | 2987 | MIOA3822 | 3043 | mioa3898a |
| 2820 | MIOA3618a | 2876 | MIOA3689a | 2932 | MIOA3756a | 2988 | MIOA3823 | 3044 | MIOA3899a |
| 2821 | MIOA3619a | 2877 | MIOA3690a | 2933 | MIOA3757a | 2989 | MIOA3826 | 3045 | MIOA3900a |
| 2822 | MIOA3620a | 2878 | MIOA3691a | 2934 | MIOA3758a | 2990 | MIOA3828 | 3046 | MIOA3901a |
| 2823 | mioa3625a | 2879 | MIOA3692a | 2935 | MIOA3759a | 2991 | MIOA3829 | 3047 | MIOA3902a |
| 2824 | MIOA3626a | 2880 | MIOA3693a | 2936 | MIOA3760a | 2992 | MIOA3830 | 3048 | MIOA3903a |
| 2825 | MIOA3627a | 2881 | mioa3694a | 2937 | MIOA3763 | 2993 | MIOA3831 | 3049 | MIOA3904a |
| 2826 | MIOA3628a | 2882 | MIOA3695a | 2938 | mioa3764 | 2994 | MIOA3832 | 3050 | MIOA3905a |
| 2827 | MIOA3629a | 2883 | MIOA3696a | 2939 | MIOA3765 | 2995 | mioa3833 | 3051 | mioa3907a |
| 2828 | MIOA3633a | 2884 | MIOA3697a | 2940 | mioa3766 | 2996 | MIOA3834 | 3052 | MIOA3910a |
| 2829 | MIOA3634a | 2885 | MIOA3698a | 2941 | MIOA3767 | 2997 | MIOA3835 | 3053 | MIOA3911a |
| 2830 | MIOA3635a | 2886 | mioa3699a | 2942 | MIOA3768 | 2998 | MIOA3836 | 3054 | MIOA3912a |
| 2831 | MIOA3636a | 2887 | MIOA3700a | 2943 | MIOA3770 | 2999 | MIOA3837 | 3055 | MIOA3913a |
| 2832 | MIOA3637a | 2888 | mioa3701a | 2944 | MIOA3772 | 3000 | MIOA3838 | 3056 | MIOA3915a |
| 2833 | MIOA3639a | 2889 | MIOA3702a | 2945 | MIOA3773 | 3001 | MIOA3839 | 3057 | MIOA3917a |
| 2834 | MIOA3640a | 2890 | MIOA3703a | 2946 | MIOA3774 | 3002 | mioa3840 | 3058 | MIOA3918a |
| 2835 | mioa3641a | 2891 | mioa3704a | 2947 | MIOA3775 | 3003 | MIOA3842 | 3059 | MIOA3919a |
| 2836 | MIOA3645a | 2892 | MIOA3705a | 2948 | MIOA3776 | 3004 | MIOA3844 | 3060 | MIOA3920a |
| 2837 | MIOA3646a | 2893 | MIOA3709a | 2949 | MIOA3777 | 3005 | MIOA3846 | 3061 | MIOA3921a |
| 2838 | MIOA3648a | 2894 | MIOA3710a | 2950 | mioa3778 | 3006 | MIOA3849 | 3062 | MIOA3922a |
| 2839 | MIOA3649a | 2895 | MIOA3711a | 2951 | MIOA3780 | 3007 | MIOA3850 | 3063 | MIOA3923a |
| 2840 | MIOA3650a | 2896 | MIOA3712a | 2952 | MIOA3781 | 3008 | MIOA3851 | 3064 | MIOA3924a |
| 2841 | MIOA3651a | 2897 | MIOA3713a | 2953 | MIOA3782 | 3009 | mioa3852n | 3065 | MIOA3925a |
| 2842 | MIOA3652a | 2898 | MIOA3714a | 2954 | MIOA3783 | 3010 | MIOA3855 | 3066 | MIOA3926a |
| 2843 | mioa3653a | 2899 | mioa3715a | 2955 | MIOA3784 | 3011 | MIOA3856 | 3067 | MIOA3929a |
| 2844 | MIOA3654a | 2900 | MIOA3716a | 2956 | MIOA3786 | 3012 | MIOA3857 | 3068 | MIOA3930a |
| 2845 | MIOA3655a | 2901 | MIOA3717a | 2957 | MIOA3787 | 3013 | MIOA3859 | 3069 | MIOA3931a |
| 2846 | MIOA3656a | 2902 | MIOA3718a | 2958 | MIOA3788 | 3014 | MIOA3860 | 3070 | MIOA3932a |
| 2847 | MIOA3657a | 2903 | MIOA3719a | 2959 | mioa3790 | 3015 | MIOA3862 | 3071 | MIOA3933a |
| 2848 | MIOA3658a | 2904 | mioa3720an | 2960 | MIOA3791 | 3016 | MIOA3863 | 3072 | mioa3934a |
| 2849 | MIOA3659a | 2905 | MIOA3721a | 2961 | MIOA3792 | 3017 | MIOA3864 | 3073 | MIOA3935a |
| 2850 | MIOA3660a | 2906 | MIOA3722a | 2962 | MIOA3793 | 3018 | MIOA3865 | 3074 | MIOA3936a |
| 2851 | mioa3661a | 2907 | MIOA3723a | 2963 | MIOA3795 | 3019 | MIOA3866 | 3075 | MIOA3938a |
| 2852 | MIOA3662a | 2908 | MIOA3724a | 2964 | MIOA3796 | 3020 | MIOA3867 | 3076 | MIOA3939a |
| 2853 | MIOA3663a | 2909 | MIOA3725a | 2965 | MIOA3797 | 3021 | mioa3868 | 3077 | MIOA3940a |
| 2854 | MIOA3665a | 2910 | MIOA3726a | 2966 | MIOA3798 | 3022 | MIOA3871 | 3078 | MIOA3941a |
| 2855 | MIOA3666a | 2911 | MIOA3727a | 2967 | MIOA3799 | 3023 | MIOA3872 | 3079 | MIOA3942a |
| 2856 | MIOA3667 | 2912 | MIOA3730a | 2968 | MIOA3801 | 3024 | MIOA3873 | 3080 | mioa3943a |

Figure 6D – Continued

| | | | | | | | | | |
|------|------------|------|------------|------|-----------|------|-----------|------|------------|
| 3081 | MIOA3944a | 3137 | MIOA4014a | 3193 | MIOA4085a | 3249 | MIOA4177 | 3305 | MIOA4251 |
| 3082 | MIOA3945a | 3138 | MIOA4015a | 3194 | MIOA4086a | 3250 | mioa4178n | 3306 | MIOA4252 |
| 3083 | MIOA3946a | 3139 | MIOA4016a | 3195 | MIOA4088a | 3251 | MIOA4179 | 3307 | MIOA4253 |
| 3084 | MIOA3947a | 3140 | MIOA4017a | 3196 | MIOA4089a | 3252 | mioa4180n | 3308 | mioa4255 |
| 3085 | MIOA3948a | 3141 | MIOA4019a | 3197 | MIOA4090a | 3253 | MIOA4181 | 3309 | MIOA4256 |
| 3086 | MIOA3949a | 3142 | mioa4020a | 3198 | MIOA4091a | 3254 | MIOA4182 | 3310 | MIOA4257 |
| 3087 | MIOA3950a | 3143 | MIOA4021a | 3199 | MIOA4092a | 3255 | MIOA4183 | 3311 | mioa4258n |
| 3088 | MIOA3951a | 3144 | MIOA4022a | 3200 | MIOA4093a | 3256 | MIOA4184 | 3312 | MIOA4259 |
| 3089 | MIOA3953a | 3145 | MIOA4023a | 3201 | mioa4094a | 3257 | MIOA4185 | 3313 | mioa4261n |
| 3090 | MIOA3954a | 3146 | MIOA4024a | 3202 | MIOA4096a | 3258 | MIOA4186 | 3314 | MIOA4264 |
| 3091 | MIOA3955a | 3147 | MIOA4025a | 3203 | MIOA4098 | 3259 | MIOA4187 | 3315 | MIOA4265 |
| 3092 | MIOA3956a | 3148 | MIOA4026a | 3204 | MIOA4102 | 3260 | MIOA4190 | 3316 | MIOA4266 |
| 3093 | MIOA3958a | 3149 | MIOA4027a | 3205 | MIOA4105 | 3261 | MIOA4191 | 3317 | MIOA4267 |
| 3094 | MIOA3959a | 3150 | MIOA4028a | 3206 | MIOA4106 | 3262 | MIOA4193 | 3318 | MIOA4268 |
| 3095 | MIOA3960a | 3151 | MIOA4029a | 3207 | MIOA4107 | 3263 | mioa4194n | 3319 | MIOA4269 |
| 3096 | mioa3961a | 3152 | mioa4031a | 3208 | MIOA4109 | 3264 | MIOA4196 | 3320 | mioa4270 |
| 3097 | MIOA3962a | 3153 | MIOA4033a | 3209 | MIOA4111 | 3265 | mioa4197n | 3321 | MIOA4271 |
| 3098 | MIOA3963a | 3154 | MIOA4035a | 3210 | MIOA4112 | 3266 | MIOA4199 | 3322 | MIOA4272 |
| 3099 | MIOA3964a | 3155 | MIOA4036a | 3211 | MIOA4113 | 3267 | MIOA4200 | 3323 | MIOA4274 |
| 3100 | MIOA3965a | 3156 | MIOA4037a | 3212 | MIOA4114 | 3268 | MIOA4201 | 3324 | MIOA4275 |
| 3101 | MIOA3966a | 3157 | MIOA4039a | 3213 | mioa4115n | 3269 | MIOA4202 | 3325 | mioa4276 |
| 3102 | MIOA3967a | 3158 | MIOA4040a | 3214 | MIOA4120 | 3270 | MIOA4204 | 3326 | MIOA4277 |
| 3103 | MIOA3969a | 3159 | MIOA4041a | 3215 | MIOA4121 | 3271 | MIOA4205 | 3327 | MIOA4278 |
| 3104 | MIOA3970a | 3160 | mioa4042an | 3216 | mioa4122 | 3272 | MIOA4206 | 3328 | mioa4281n |
| 3105 | MIOA3972a | 3161 | MIOA4043a | 3217 | MIOA4123 | 3273 | MIOA4207 | 3329 | MIOA4283 |
| 3106 | MIOA3973a | 3162 | MIOA4044a | 3218 | MIOA4127 | 3274 | MIOA4209 | 3330 | MIOA4284 |
| 3107 | MIOA3974a | 3163 | mioa4045a | 3219 | MIOA4128 | 3275 | MIOA4210 | 3331 | MIOA4285 |
| 3108 | MIOA3975a | 3164 | MIOA4046a | 3220 | MIOA4130 | 3276 | MIOA4211 | 3332 | mioa4286 |
| 3109 | MIOA3977a | 3165 | MIOA4047a | 3221 | MIOA4131 | 3277 | MIOA4212 | 3333 | MIOA4287 |
| 3110 | mioa3978an | 3166 | MIOA4048a | 3222 | MIOA4133 | 3278 | MIOA4214 | 3334 | MIOA4289a |
| 3111 | MIOA3979a | 3167 | MIOA4049a | 3223 | MIOA4134 | 3279 | MIOA4215 | 3335 | MIOA4290a |
| 3112 | MIOA3980a | 3168 | MIOA4050a | 3224 | MIOA4135 | 3280 | MIOA4216 | 3336 | MIOA4292a |
| 3113 | MIOA3981a | 3169 | MIOA4053a | 3225 | MIOA4136 | 3281 | MIOA4217 | 3337 | MIOA4293a |
| 3114 | MIOA3982a | 3170 | MIOA4054a | 3226 | MIOA4137 | 3282 | MIOA4219 | 3338 | MIOA4295a |
| 3115 | MIOA3983a | 3171 | MIOA4055a | 3227 | MIOA4139 | 3283 | MIOA4221 | 3339 | MIOA4299a |
| 3116 | MIOA3985a | 3172 | MIOA4056a | 3228 | MIOA4142 | 3284 | MIOA4223 | 3340 | MIOA4300a |
| 3117 | MIOA3986a | 3173 | MIOA4057a | 3229 | mioa4143 | 3285 | MIOA4224 | 3341 | mioa4301a |
| 3118 | MIOA3987a | 3174 | MIOA4058a | 3230 | mioa4144 | 3286 | MIOA4225 | 3342 | MIOA4302a |
| 3119 | MIOA3988a | 3175 | MIOA4059a | 3231 | MIOA4145 | 3287 | MIOA4226 | 3343 | MIOA4303a |
| 3120 | MIOA3989a | 3176 | MIOA4061a | 3232 | MIOA4148 | 3288 | MIOA4227 | 3344 | MIOA4304a |
| 3121 | MIOA3991a | 3177 | MIOA4064a | 3233 | MIOA4149 | 3289 | MIOA4229 | 3345 | MIOA4305a |
| 3122 | MIOA3992a | 3178 | MIOA4065a | 3234 | MIOA4150 | 3290 | MIOA4230 | 3346 | MIOA4306a |
| 3123 | MIOA3994a | 3179 | MIOA4066a | 3235 | mioa4151n | 3291 | MIOA4234 | 3347 | MIOA4308a |
| 3124 | MIOA3997a | 3180 | MIOA4067a | 3236 | MIOA4156 | 3292 | MIOA4235 | 3348 | mioa4309an |
| 3125 | MIOA3998a | 3181 | MIOA4068a | 3237 | MIOA4161 | 3293 | mioa4236 | 3349 | MIOA4310a |
| 3126 | mioa4002a | 3182 | MIOA4069a | 3238 | MIOA4162 | 3294 | MIOA4237 | 3350 | MIOA4311a |
| 3127 | MIOA4003a | 3183 | MIOA4072a | 3239 | mioa4164 | 3295 | MIOA4238 | 3351 | MIOA4312a |
| 3128 | MIOA4004a | 3184 | MIOA4073a | 3240 | MIOA4166 | 3296 | MIOA4239 | 3352 | MIOA4313a |
| 3129 | MIOA4005a | 3185 | MIOA4074a | 3241 | MIOA4167 | 3297 | MIOA4240 | 3353 | MIOA4315a |
| 3130 | MIOA4006a | 3186 | MIOA4075a | 3242 | mioa4168n | 3298 | MIOA4241 | 3354 | MIOA4316a |
| 3131 | MIOA4007a | 3187 | MIOA4076a | 3243 | mioa4169 | 3299 | MIOA4242 | 3355 | MIOA4317a |
| 3132 | MIOA4009a | 3188 | MIOA4077a | 3244 | mioa4170 | 3300 | MIOA4243 | 3356 | MIOA4318a |
| 3133 | MIOA4010a | 3189 | MIOA4079a | 3245 | mioa4171n | 3301 | MIOA4244 | 3357 | MIOA4319a |
| 3134 | MIOA4011a | 3190 | MIOA4081a | 3246 | MIOA4173 | 3302 | MIOA4245 | 3358 | MIOA4320a |
| 3135 | MIOA4012a | 3191 | MIOA4082a | 3247 | MIOA4174 | 3303 | MIOA4246 | 3359 | MIOA4321a |
| 3136 | MIOA4013a | 3192 | MIOA4083a | 3248 | MIOA4176 | 3304 | MIOA4247 | 3360 | MIOA4322a |

Figure 6D – Continued

| | | | | | | | | | |
|------|------------|------|-----------|------|-----------|------|------------|------|-----------|
| 3361 | MIOA4323a | 3417 | MIOA4407 | 3473 | MIOA4528a | 3529 | MIOA4616a | 3585 | MIOA4689 |
| 3362 | MIOA4324a | 3418 | MIOA4409 | 3474 | MIOA4532a | 3530 | MIOA4617a | 3586 | MIOA4690 |
| 3363 | MIOA4325a | 3419 | MIOA4410 | 3475 | MIOA4534a | 3531 | MIOA4618a | 3587 | MIOA4693 |
| 3364 | MIOA4326a | 3420 | MIOA4411 | 3476 | MIOA4536a | 3532 | MIOA4619a | 3588 | MIOA4694 |
| 3365 | MIOA4329a | 3421 | MIOA4415 | 3477 | MIOA4539a | 3533 | MIOA4620a | 3589 | MIOA4695 |
| 3366 | MIOA4330a | 3422 | MIOA4416 | 3478 | MIOA4541a | 3534 | MIOA4621a | 3590 | MIOA4696 |
| 3367 | MIOA4331a | 3423 | MIOA4417 | 3479 | MIOA4542a | 3535 | MIOA4622a | 3591 | mioa4697 |
| 3368 | MIOA4332a | 3424 | MIOA4418 | 3480 | MIOA4543a | 3536 | MIOA4623a | 3592 | MIOA4698 |
| 3369 | MIOA4333a | 3425 | MIOA4419 | 3481 | MIOA4544a | 3537 | MIOA4624a | 3593 | MIOA4699 |
| 3370 | MIOA4334a | 3426 | MIOA4420 | 3482 | MIOA4547a | 3538 | mioa4626a | 3594 | MIOA4700 |
| 3371 | MIOA4335a | 3427 | MIOA4421 | 3483 | MIOA4548a | 3539 | MIOA4627a | 3595 | mioa4701 |
| 3372 | MIOA4336a | 3428 | MIOA4422 | 3484 | MIOA4549a | 3540 | MIOA4628a | 3596 | MIOA4702 |
| 3373 | MIOA4337a | 3429 | MIOA4423 | 3485 | mioa4550a | 3541 | MIOA4629a | 3597 | MIOA4703 |
| 3374 | MIOA4338a | 3430 | MIOA4425 | 3486 | MIOA4551a | 3542 | MIOA4630a | 3598 | MIOA4704 |
| 3375 | MIOA4339a | 3431 | MIOA4426 | 3487 | MIOA4552a | 3543 | MIOA4631a | 3599 | mioa4706 |
| 3376 | MIOA4340a | 3432 | MIOA4427 | 3488 | MIOA4555a | 3544 | MIOA4632a | 3600 | MIOA4707 |
| 3377 | MIOA4341a | 3433 | MIOA4428 | 3489 | MIOA4557a | 3545 | MIOA4633a | 3601 | MIOA4709 |
| 3378 | mioa4342a | 3434 | mioa4429n | 3490 | MIOA4558a | 3546 | MIOA4634a | 3602 | MIOA4710 |
| 3379 | MIOA4343a | 3435 | MIOA4430 | 3491 | mioa4559a | 3547 | MIOA4635a | 3603 | MIOA4711 |
| 3380 | MIOA4345a | 3436 | MIOA4464a | 3492 | MIOA4560a | 3548 | MIOA4636a | 3604 | MIOA4712 |
| 3381 | MIOA4346a | 3437 | MIOA4465a | 3493 | MIOA4563a | 3549 | MIOA4638a | 3605 | MIOA4713 |
| 3382 | MIOA4347a | 3438 | MIOA4466a | 3494 | MIOA4564a | 3550 | MIOA4639a | 3606 | MIOA4715 |
| 3383 | MIOA4348a | 3439 | mioa4468a | 3495 | MIOA4565a | 3551 | mioa4640an | 3607 | MIOA4716 |
| 3384 | MIOA4349a | 3440 | MIOA4470a | 3496 | MIOA4566a | 3552 | MIOA4641a | 3608 | MIOA4717 |
| 3385 | MIOA4353a | 3441 | MIOA4472a | 3497 | MIOA4567a | 3553 | MIOA4642a | 3609 | MIOA4718 |
| 3386 | MIOA4354a | 3442 | MIOA4474a | 3498 | MIOA4568a | 3554 | MIOA4643a | 3610 | mioa4719n |
| 3387 | MIOA4355a | 3443 | MIOA4475a | 3499 | MIOA4572a | 3555 | MIOA4645a | 3611 | MIOA4720 |
| 3388 | MIOA4356a | 3444 | MIOA4476a | 3500 | MIOA4573a | 3556 | MIOA4646a | 3612 | MIOA4721 |
| 3389 | MIOA4357a | 3445 | MIOA4477a | 3501 | MIOA4579a | 3557 | mioa4647a | 3613 | MIOA4722 |
| 3390 | mioa4360an | 3446 | mioa4483a | 3502 | MIOA4580a | 3558 | MIOA4650a | 3614 | MIOA4723 |
| 3391 | MIOA4363a | 3447 | MIOA4484a | 3503 | MIOA4581a | 3559 | MIOA4651a | 3615 | mioa4725 |
| 3392 | MIOA4365a | 3448 | MIOA4485a | 3504 | MIOA4582a | 3560 | mioa4653an | 3616 | MIOA4726 |
| 3393 | MIOA4366a | 3449 | mioa4486a | 3505 | MIOA4583a | 3561 | mioa4655an | 3617 | MIOA4727 |
| 3394 | MIOA4367a | 3450 | MIOA4487a | 3506 | MIOA4585a | 3562 | MIOA4658a | 3618 | MIOA4728 |
| 3395 | MIOA4368a | 3451 | MIOA4488a | 3507 | mioa4587a | 3563 | MIOA4660a | 3619 | MIOA4729 |
| 3396 | MIOA4370a | 3452 | mioa4491a | 3508 | MIOA4589a | 3564 | MIOA4661a | 3620 | MIOA4730 |
| 3397 | MIOA4372a | 3453 | MIOA4493a | 3509 | MIOA4590a | 3565 | MIOA4663a | 3621 | MIOA4732 |
| 3398 | MIOA4373a | 3454 | mioa4496a | 3510 | MIOA4594a | 3566 | MIOA4665a | 3622 | MIOA4733 |
| 3399 | MIOA4378a | 3455 | MIOA4499a | 3511 | MIOA4595a | 3567 | MIOA4667a | 3623 | MIOA4734 |
| 3400 | MIOA4381a | 3456 | MIOA4500a | 3512 | MIOA4596a | 3568 | MIOA4669a | 3624 | MIOA4735 |
| 3401 | MIOA4382a | 3457 | MIOA4501a | 3513 | MIOA4597a | 3569 | mioa4670an | 3625 | mioa4736 |
| 3402 | MIOA4383a | 3458 | mioa4502a | 3514 | mioa4598a | 3570 | MIOA4673 | 3626 | MIOA4737 |
| 3403 | MIOA4384a | 3459 | MIOA4503a | 3515 | MIOA4599a | 3571 | MIOA4674 | 3627 | MIOA4738 |
| 3404 | MIOA4386 | 3460 | MIOA4504a | 3516 | MIOA4600a | 3572 | MIOA4675 | 3628 | mioa4739 |
| 3405 | mioa4387 | 3461 | MIOA4508a | 3517 | MIOA4601a | 3573 | MIOA4677 | 3629 | MIOA4740 |
| 3406 | mioa4389n | 3462 | MIOA4509a | 3518 | MIOA4602a | 3574 | MIOA4678 | 3630 | MIOA4742 |
| 3407 | MIOA4390 | 3463 | MIOA4510a | 3519 | MIOA4603a | 3575 | MIOA4679 | 3631 | MIOA4744 |
| 3408 | MIOA4391 | 3464 | MIOA4512a | 3520 | MIOA4604a | 3576 | MIOA4680 | 3632 | MIOA4745 |
| 3409 | MIOA4393 | 3465 | MIOA4515a | 3521 | MIOA4605a | 3577 | MIOA4681 | 3633 | MIOA4746 |
| 3410 | MIOA4394 | 3466 | MIOA4517a | 3522 | MIOA4606a | 3578 | MIOA4682 | 3634 | mioa4748 |
| 3411 | mioa4396n | 3467 | mioa4518a | 3523 | MIOA4608a | 3579 | mioa4683 | 3635 | MIOA4749 |
| 3412 | MIOA4398 | 3468 | mioa4519a | 3524 | MIOA4609a | 3580 | MIOA4684 | 3636 | MIOA4750 |
| 3413 | MIOA4399 | 3469 | MIOA4520a | 3525 | MIOA4610a | 3581 | MIOA4685 | 3637 | MIOA4751 |
| 3414 | MIOA4400 | 3470 | MIOA4525a | 3526 | MIOA4611a | 3582 | MIOA4686 | 3638 | MIOA4752 |
| 3415 | mioa4403 | 3471 | MIOA4526a | 3527 | MIOA4612a | 3583 | MIOA4687 | 3639 | MIOA4753 |
| 3416 | MIOA4406 | 3472 | MIOA4527a | 3528 | MIOA4615a | 3584 | MIOA4688 | 3640 | MIOA4754 |

Figure 6D – Continued

| | | | | | | | | | |
|------|------------|------|------------|------|------------|------|------------|------|------------|
| 3641 | MIOA4755 | 3697 | MIOA4827a | 3753 | MIOA4918a | 3809 | MIOA5005a | 3865 | MIOA5087a |
| 3642 | MIOA4756 | 3698 | MIOA4828a | 3754 | MIOA4920a | 3810 | MIOA5006a | 3866 | MIOA5090a |
| 3643 | MIOA4757 | 3699 | MIOA4829a | 3755 | mioa4921a | 3811 | MIOA5008a | 3867 | mioa5093an |
| 3644 | mioa4759 | 3700 | MIOA4830a | 3756 | MIOA4922a | 3812 | MIOA5010a | 3868 | MIOA5096a |
| 3645 | MIOA4760 | 3701 | MIOA4832a | 3757 | MIOA4923a | 3813 | MIOA5011a | 3869 | MIOA5097a |
| 3646 | MIOA4763 | 3702 | mioa4834a | 3758 | MIOA4926a | 3814 | MIOA5012a | 3870 | MIOA5098a |
| 3647 | mioa4764 | 3703 | MIOA4836a | 3759 | mioa4927an | 3815 | MIOA5013a | 3871 | MIOA5099a |
| 3648 | MIOA4765 | 3704 | MIOA4837a | 3760 | MIOA4928a | 3816 | MIOA5014a | 3872 | MIOA5102a |
| 3649 | MIOA4766 | 3705 | mioa4838a | 3761 | MIOA4929a | 3817 | MIOA5015a | 3873 | MIOA5105a |
| 3650 | MIOA4767 | 3706 | MIOA4841a | 3762 | MIOA4930a | 3818 | MIOA5016a | 3874 | MIOA5106a |
| 3651 | MIOA4769 | 3707 | MIOA4842a | 3763 | MIOA4934a | 3819 | MIOA5017a | 3875 | MIOA5108a |
| 3652 | MIOA4770 | 3708 | MIOA4843a | 3764 | MIOA4935a | 3820 | mioa5018an | 3876 | mioa5109a |
| 3653 | MIOA4771 | 3709 | MIOA4845a | 3765 | MIOA4937a | 3821 | MIOA5019a | 3877 | MIOA5110a |
| 3654 | MIOA4774 | 3710 | MIOA4846a | 3766 | MIOA4939a | 3822 | MIOA5020a | 3878 | MIOA5111a |
| 3655 | MIOA4775 | 3711 | MIOA4847a | 3767 | MIOA4940a | 3823 | MIOA5021a | 3879 | MIOA5113a |
| 3656 | mioa4776 | 3712 | mioa4849an | 3768 | MIOA4941a | 3824 | MIOA5024a | 3880 | MIOA5114a |
| 3657 | MIOA4777 | 3713 | MIOA4850a | 3769 | MIOA4942a | 3825 | MIOA5025a | 3881 | MIOA5115a |
| 3658 | MIOA4778 | 3714 | MIOA4851a | 3770 | MIOA4943a | 3826 | MIOA5027a | 3882 | mioa5116a |
| 3659 | MIOA4779 | 3715 | MIOA4852a | 3771 | MIOA4944a | 3827 | MIOA5029a | 3883 | MIOA5117a |
| 3660 | MIOA4781a | 3716 | MIOA4853a | 3772 | MIOA4945a | 3828 | MIOA5030a | 3884 | MIOA5118a |
| 3661 | MIOA4782a | 3717 | mioa4854an | 3773 | MIOA4946a | 3829 | MIOA5031a | 3885 | MIOA5119a |
| 3662 | MIOA4783a | 3718 | MIOA4855a | 3774 | MIOA4947a | 3830 | MIOA5033a | 3886 | MIOA5120a |
| 3663 | MIOA4785a | 3719 | MIOA4858a | 3775 | MIOA4949a | 3831 | MIOA5034a | 3887 | MIOA5121a |
| 3664 | mioa4786an | 3720 | MIOA4864a | 3776 | MIOA4951a | 3832 | MIOA5035a | 3888 | mioa5122a |
| 3665 | MIOA4787a | 3721 | MIOA4868a | 3777 | mioa4953an | 3833 | MIOA5036a | 3889 | MIOA5124a |
| 3666 | MIOA4788a | 3722 | MIOA4869a | 3778 | MIOA4954a | 3834 | MIOA5037a | 3890 | MIOA5126a |
| 3667 | MIOA4789a | 3723 | MIOA4870a | 3779 | MIOA4955a | 3835 | MIOA5038a | 3891 | MIOA5127a |
| 3668 | MIOA4790a | 3724 | mioa4874a | 3780 | MIOA4956a | 3836 | MIOA5040a | 3892 | MIOA5129a |
| 3669 | mioa4791an | 3725 | MIOA4877a | 3781 | MIOA4957a | 3837 | MIOA5042a | 3893 | MIOA5131a |
| 3670 | MIOA4792a | 3726 | MIOA4878a | 3782 | MIOA4959a | 3838 | MIOA5043a | 3894 | MIOA5132a |
| 3671 | MIOA4793a | 3727 | MIOA4880a | 3783 | MIOA4962a | 3839 | MIOA5045a | 3895 | MIOA5133a |
| 3672 | mioa4795an | 3728 | MIOA4881a | 3784 | MIOA4963a | 3840 | MIOA5046a | 3896 | MIOA5134a |
| 3673 | MIOA4796a | 3729 | MIOA4882a | 3785 | MIOA4964a | 3841 | MIOA5047a | 3897 | MIOA5138a |
| 3674 | MIOA4797a | 3730 | MIOA4883a | 3786 | MIOA4972a | 3842 | MIOA5049a | 3898 | MIOA5139a |
| 3675 | MIOA4798a | 3731 | MIOA4884a | 3787 | MIOA4973a | 3843 | MIOA5051a | 3899 | MIOA5140a |
| 3676 | MIOA4800a | 3732 | MIOA4885a | 3788 | MIOA4974a | 3844 | MIOA5052a | 3900 | MIOA5141a |
| 3677 | MIOA4803a | 3733 | MIOA4886a | 3789 | MIOA4975a | 3845 | MIOA5053a | 3901 | MIOA5142a |
| 3678 | MIOA4804a | 3734 | MIOA4887a | 3790 | MIOA4978a | 3846 | MIOA5054a | 3902 | MIOA5143a |
| 3679 | MIOA4805a | 3735 | MIOA4890a | 3791 | MIOA4980a | 3847 | MIOA5056a | 3903 | MIOA5144a |
| 3680 | MIOA4806a | 3736 | MIOA4891a | 3792 | MIOA4982a | 3848 | MIOA5057a | 3904 | MIOA5145a |
| 3681 | MIOA4808a | 3737 | MIOA4892a | 3793 | MIOA4983a | 3849 | MIOA5059a | 3905 | MIOA5146a |
| 3682 | MIOA4809a | 3738 | MIOA4893a | 3794 | MIOA4985a | 3850 | MIOA5061a | 3906 | MIOA5147a |
| 3683 | MIOA4810a | 3739 | MIOA4894a | 3795 | MIOA4987a | 3851 | MIOA5063a | 3907 | MIOA5149a |
| 3684 | MIOA4811a | 3740 | MIOA4895a | 3796 | MIOA4989a | 3852 | MIOA5069a | 3908 | MIOA5150a |
| 3685 | MIOA4813a | 3741 | mioa4896a | 3797 | MIOA4991a | 3853 | MIOA5070a | 3909 | MIOA5151a |
| 3686 | MIOA4814a | 3742 | MIOA4898a | 3798 | MIOA4992a | 3854 | MIOA5072a | 3910 | MIOA5155a |
| 3687 | MIOA4815a | 3743 | MIOA4899a | 3799 | MIOA4993a | 3855 | mioa5073a | 3911 | MIOA5156a |
| 3688 | MIOA4816a | 3744 | MIOA4901a | 3800 | MIOA4994a | 3856 | MIOA5074a | 3912 | MIOA5157a |
| 3689 | MIOA4817a | 3745 | MIOA4902a | 3801 | MIOA4995a | 3857 | MIOA5075a | 3913 | MIOA5158a |
| 3690 | MIOA4818a | 3746 | MIOA4903a | 3802 | MIOA4998a | 3858 | MIOA5079a | 3914 | MIOA5159a |
| 3691 | MIOA4819a | 3747 | MIOA4905a | 3803 | MIOA4999a | 3859 | MIOA5080a | 3915 | MIOA5160a |
| 3692 | MIOA4820a | 3748 | MIOA4906a | 3804 | MIOA5000a | 3860 | MIOA5081a | 3916 | MIOA5161a |
| 3693 | MIOA4821a | 3749 | mioa4912an | 3805 | MIOA5001a | 3861 | MIOA5082a | 3917 | MIOA5162a |
| 3694 | MIOA4823a | 3750 | MIOA4914a | 3806 | MIOA5002a | 3862 | MIOA5084a | 3918 | MIOA5163a |
| 3695 | MIOA4824a | 3751 | MIOA4915a | 3807 | MIOA5003a | 3863 | MIOA5085a | 3919 | MIOA5164a |
| 3696 | MIOA4826a | 3752 | MIOA4916a | 3808 | MIOA5004a | 3864 | MIOA5086a | 3920 | MIOA5165a |

Figure 6D – Continued

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|------|-----------|------|-----------|------|------------|------|-----------|------|-----------|
| 3921 | MIOA5169a | 3977 | MIOA5278a | 4033 | MIOA5412a | 4089 | MIOA5487a | 4145 | mioa5549a |
| 3922 | MIOA5170a | 3978 | MIOA5281a | 4034 | MIOA5413a | 4090 | MIOA5488a | 4146 | MIOA5550a |
| 3923 | MIOA5171a | 3979 | MIOA5286a | 4035 | MIOA5416a | 4091 | MIOA5489a | 4147 | MIOA5551a |
| 3924 | MIOA5172a | 3980 | MIOA5289a | 4036 | MIOA5418a | 4092 | MIOA5490a | 4148 | MIOA5552a |
| 3925 | mioa5173a | 3981 | MIOA5293a | 4037 | MIOA5420a | 4093 | mioa5491a | 4149 | MIOA5554a |
| 3926 | MIOA5174a | 3982 | MIOA5294a | 4038 | MIOA5421a | 4094 | MIOA5492a | 4150 | MIOA5555a |
| 3927 | MIOA5175a | 3983 | MIOA5297a | 4039 | mioa5422an | 4095 | MIOA5493a | 4151 | MIOA5556a |
| 3928 | MIOA5176a | 3984 | MIOA5302a | 4040 | MIOA5425a | 4096 | MIOA5494a | 4152 | mioa5557a |
| 3929 | MIOA5178a | 3985 | MIOA5305a | 4041 | MIOA5427a | 4097 | MIOA5495a | 4153 | MIOA5558a |
| 3930 | mioa5180a | 3986 | mioa5306a | 4042 | MIOA5430a | 4098 | MIOA5496a | 4154 | MIOA5561a |
| 3931 | MIOA5181a | 3987 | MIOA5310a | 4043 | mioa5431an | 4099 | MIOA5497a | 4155 | MIOA5562a |
| 3932 | mioa5186a | 3988 | mioa5316a | 4044 | MIOA5435a | 4100 | MIOA5498a | 4156 | MIOA5563a |
| 3933 | MIOA5188a | 3989 | MIOA5317a | 4045 | MIOA5436a | 4101 | MIOA5499a | 4157 | MIOA5564a |
| 3934 | MIOA5189a | 3990 | MIOA5324a | 4046 | MIOA5437a | 4102 | MIOA5500a | 4158 | mioa5565a |
| 3935 | MIOA5192a | 3991 | mioa5325a | 4047 | MIOA5439a | 4103 | MIOA5501a | 4159 | MIOA5566a |
| 3936 | MIOA5193a | 3992 | MIOA5326a | 4048 | MIOA5440a | 4104 | mioa5502a | 4160 | MIOA5567a |
| 3937 | MIOA5194a | 3993 | MIOA5329a | 4049 | MIOA5441a | 4105 | MIOA5503a | 4161 | MIOA5569a |
| 3938 | MIOA5195a | 3994 | MIOA5330a | 4050 | MIOA5443a | 4106 | MIOA5504a | 4162 | MIOA5570a |
| 3939 | MIOA5196a | 3995 | MIOA5331a | 4051 | MIOA5444a | 4107 | MIOA5505a | 4163 | MIOA5571a |
| 3940 | MIOA5197a | 3996 | MIOA5333a | 4052 | MIOA5446a | 4108 | MIOA5506a | 4164 | MIOA5572a |
| 3941 | MIOA5198a | 3997 | MIOA5334a | 4053 | MIOA5447a | 4109 | MIOA5507a | 4165 | MIOA5573a |
| 3942 | MIOA5199a | 3998 | MIOA5346a | 4054 | MIOA5448a | 4110 | MIOA5508a | 4166 | MIOA5574a |
| 3943 | MIOA5200a | 3999 | MIOA5348a | 4055 | MIOA5449a | 4111 | MIOA5510a | 4167 | MIOA5575a |
| 3944 | MIOA5202a | 4000 | mioa5349a | 4056 | MIOA5450a | 4112 | MIOA5511a | 4168 | MIOA5576a |
| 3945 | MIOA5203a | 4001 | MIOA5351a | 4057 | MIOA5451a | 4113 | MIOA5512a | 4169 | MIOA5577a |
| 3946 | MIOA5204a | 4002 | MIOA5354a | 4058 | MIOA5452a | 4114 | mioa5513a | 4170 | MIOA5578a |
| 3947 | MIOA5205a | 4003 | MIOA5355a | 4059 | MIOA5453a | 4115 | MIOA5514a | 4171 | MIOA5579a |
| 3948 | MIOA5209a | 4004 | MIOA5356a | 4060 | mioa5454a | 4116 | MIOA5516a | 4172 | MIOA5580a |
| 3949 | MIOA5210a | 4005 | MIOA5357a | 4061 | MIOA5455a | 4117 | MIOA5518a | 4173 | MIOA5581a |
| 3950 | MIOA5211a | 4006 | MIOA5358a | 4062 | MIOA5456a | 4118 | MIOA5519a | 4174 | MIOA5582a |
| 3951 | MIOA5212a | 4007 | mioa5359a | 4063 | MIOA5457a | 4119 | mioa5520a | 4175 | MIOA5583a |
| 3952 | MIOA5216a | 4008 | MIOA5364a | 4064 | mioa5458a | 4120 | MIOA5522a | 4176 | MIOA5584a |
| 3953 | MIOA5217a | 4009 | MIOA5366a | 4065 | MIOA5459a | 4121 | MIOA5524a | 4177 | MIOA5585a |
| 3954 | MIOA5218a | 4010 | MIOA5367a | 4066 | MIOA5460a | 4122 | MIOA5525a | 4178 | MIOA5586a |
| 3955 | mioa5219a | 4011 | MIOA5368a | 4067 | MIOA5461a | 4123 | MIOA5526a | 4179 | MIOA5587a |
| 3956 | MIOA5220 | 4012 | MIOA5369a | 4068 | MIOA5462a | 4124 | mioa5527a | 4180 | MIOA5588a |
| 3957 | MIOA5221a | 4013 | MIOA5371a | 4069 | MIOA5463a | 4125 | MIOA5528a | 4181 | MIOA5589a |
| 3958 | MIOA5224a | 4014 | MIOA5373a | 4070 | MIOA5464a | 4126 | MIOA5530a | 4182 | MIOA5590a |
| 3959 | MIOA5225a | 4015 | MIOA5390a | 4071 | MIOA5465a | 4127 | MIOA5531a | 4183 | MIOA5591a |
| 3960 | MIOA5226a | 4016 | MIOA5391a | 4072 | MIOA5466a | 4128 | MIOA5532a | 4184 | MIOA5592a |
| 3961 | MIOA5229a | 4017 | MIOA5393a | 4073 | mioa5467a | 4129 | MIOA5533a | 4185 | MIOA5593a |
| 3962 | MIOA5231a | 4018 | MIOA5394a | 4074 | MIOA5468a | 4130 | MIOA5534a | 4186 | MIOA5594a |
| 3963 | MIOA5233a | 4019 | MIOA5395a | 4075 | MIOA5469a | 4131 | MIOA5535a | 4187 | MIOA5595a |
| 3964 | MIOA5236a | 4020 | MIOA5396a | 4076 | MIOA5470a | 4132 | MIOA5536a | 4188 | MIOA5597a |
| 3965 | MIOA5237a | 4021 | MIOA5397a | 4077 | MIOA5472a | 4133 | MIOA5537a | 4189 | MIOA5598a |
| 3966 | MIOA5244a | 4022 | MIOA5398a | 4078 | MIOA5473a | 4134 | MIOA5538a | 4190 | MIOA5599a |
| 3967 | mioa5245a | 4023 | MIOA5399a | 4079 | MIOA5474a | 4135 | MIOA5539a | 4191 | MIOA5600a |
| 3968 | MIOA5247a | 4024 | mioa5400a | 4080 | mioa5477a | 4136 | MIOA5540a | 4192 | MIOA5601a |
| 3969 | MIOA5248a | 4025 | MIOA5401a | 4081 | MIOA5478a | 4137 | MIOA5541a | 4193 | MIOA5602a |
| 3970 | MIOA5249a | 4026 | mioa5402a | 4082 | MIOA5479a | 4138 | MIOA5542a | 4194 | MIOA5603a |
| 3971 | MIOA5254a | 4027 | MIOA5403a | 4083 | MIOA5480a | 4139 | MIOA5543a | 4195 | MIOA5604a |
| 3972 | MIOA5257a | 4028 | MIOA5404a | 4084 | MIOA5481a | 4140 | MIOA5544a | 4196 | MIOA5605a |
| 3973 | MIOA5261a | 4029 | MIOA5408a | 4085 | MIOA5482a | 4141 | MIOA5545a | 4197 | MIOA5606a |
| 3974 | MIOA5265a | 4030 | MIOA5409a | 4086 | MIOA5484a | 4142 | MIOA5546a | 4198 | MIOA5607a |
| 3975 | MIOA5266a | 4031 | MIOA5410a | 4087 | MIOA5485a | 4143 | MIOA5547a | 4199 | MIOA5608a |
| 3976 | MIOA5273a | 4032 | MIOA5411m | 4088 | MIOA5486a | 4144 | MIOA5548a | 4200 | MIOA5609a |

Figure 6D – Continued

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|------|-----------|------|-----------|------|------------|------|------------|------|------------|
| 4201 | MIOA5610a | 4257 | mioa5683n | 4313 | MIOA5765a | 4369 | MIOA5837a | 4425 | MIOA5914a |
| 4202 | mioa5611a | 4258 | MIOA5684 | 4314 | MIOA5766a | 4370 | MIOA5841a | 4426 | MIOA5915a |
| 4203 | MIOA5612a | 4259 | MIOA5685 | 4315 | MIOA5768a | 4371 | MIOA5842a | 4427 | MIOA5916a |
| 4204 | MIOA5613a | 4260 | MIOA5686 | 4316 | MIOA5769a | 4372 | mioa5843a | 4428 | MIOA5917a |
| 4205 | MIOA5614a | 4261 | MIOA5687 | 4317 | MIOA5771a | 4373 | MIOA5844a | 4429 | mioa5918an |
| 4206 | MIOA5616a | 4262 | MIOA5688 | 4318 | mioa5772a | 4374 | MIOA5846a | 4430 | MIOA5919a |
| 4207 | MIOA5617a | 4263 | MIOA5689 | 4319 | MIOA5773a | 4375 | MIOA5847a | 4431 | MIOA5920a |
| 4208 | MIOA5618a | 4264 | MIOA5690 | 4320 | MIOA5774a | 4376 | MIOA5848a | 4432 | MIOA5922a |
| 4209 | mioa5619a | 4265 | MIOA5691 | 4321 | mioa5775a | 4377 | MIOA5849a | 4433 | MIOA5923a |
| 4210 | MIOA5620a | 4266 | MIOA5692 | 4322 | MIOA5776a | 4378 | MIOA5851a | 4434 | MIOA5924a |
| 4211 | MIOA5621a | 4267 | mioa5693 | 4323 | MIOA5777a | 4379 | MIOA5852a | 4435 | MIOA5925a |
| 4212 | MIOA5622a | 4268 | MIOA5695 | 4324 | MIOA5779a | 4380 | MIOA5854a | 4436 | MIOA5926a |
| 4213 | MIOA5623a | 4269 | mioa5696n | 4325 | MIOA5780a | 4381 | mioa5856a | 4437 | MIOA5928a |
| 4214 | MIOA5624a | 4270 | MIOA5697 | 4326 | MIOA5781a | 4382 | MIOA5858a | 4438 | MIOA5929a |
| 4215 | MIOA5625a | 4271 | MIOA5698 | 4327 | mioa5782an | 4383 | MIOA5859a | 4439 | MIOA5930a |
| 4216 | mioa5626a | 4272 | MIOA5699 | 4328 | mioa5783an | 4384 | MIOA5860a | 4440 | MIOA5932a |
| 4217 | mioa5627a | 4273 | MIOA5701 | 4329 | MIOA5784a | 4385 | mioa5861an | 4441 | MIOA5933a |
| 4218 | MIOA5628a | 4274 | MIOA5705 | 4330 | MIOA5786a | 4386 | MIOA5862a | 4442 | MIOA5934a |
| 4219 | MIOA5629a | 4275 | mioa5706n | 4331 | mioa5787an | 4387 | MIOA5865a | 4443 | MIOA5935a |
| 4220 | MIOA5631a | 4276 | MIOA5709 | 4332 | MIOA5788a | 4388 | MIOA5866a | 4444 | MIOA5937a |
| 4221 | MIOA5632a | 4277 | MIOA5710 | 4333 | MIOA5789a | 4389 | mioa5867an | 4445 | MIOA5938a |
| 4222 | mioa5633a | 4278 | mioa5711n | 4334 | MIOA5790a | 4390 | MIOA5869a | 4446 | MIOA5939a |
| 4223 | MIOA5634a | 4279 | MIOA5712 | 4335 | MIOA5791a | 4391 | MIOA5873a | 4447 | MIOA5940a |
| 4224 | MIOA5636a | 4280 | mioa5713n | 4336 | MIOA5792a | 4392 | MIOA5874a | 4448 | MIOA5941a |
| 4225 | MIOA5637a | 4281 | MIOA5714 | 4337 | MIOA5793a | 4393 | MIOA5875a | 4449 | mioa5942an |
| 4226 | MIOA5639a | 4282 | mioa5715 | 4338 | MIOA5795a | 4394 | MIOA5877a | 4450 | MIOA5943a |
| 4227 | MIOA5640a | 4283 | MIOA5718 | 4339 | mioa5796a | 4395 | MIOA5878a | 4451 | MIOA5944a |
| 4228 | MIOA5641a | 4284 | MIOA5719 | 4340 | MIOA5797a | 4396 | mioa5879a | 4452 | MIOA5945a |
| 4229 | MIOA5642a | 4285 | mioa5722n | 4341 | MIOA5799a | 4397 | MIOA5880a | 4453 | mioa5946a |
| 4230 | MIOA5644a | 4286 | MIOA5724 | 4342 | mioa5800a | 4398 | mioa5881an | 4454 | MIOA5947a |
| 4231 | MIOA5645a | 4287 | MIOA5725 | 4343 | MIOA5802a | 4399 | MIOA5882a | 4455 | MIOA5948a |
| 4232 | MIOA5648 | 4288 | MIOA5726 | 4344 | MIOA5803a | 4400 | mioa5883an | 4456 | MIOA5949a |
| 4233 | MIOA5649 | 4289 | MIOA5727 | 4345 | MIOA5804a | 4401 | MIOA5884a | 4457 | MIOA5950a |
| 4234 | MIOA5650 | 4290 | MIOA5728 | 4346 | MIOA5808a | 4402 | MIOA5885a | 4458 | MIOA5951a |
| 4235 | mioa5651n | 4291 | MIOA5729a | 4347 | MIOA5809a | 4403 | MIOA5886a | 4459 | MIOA5952a |
| 4236 | MIOA5652 | 4292 | MIOA5730a | 4348 | mioa5811a | 4404 | MIOA5887a | 4460 | MIOA5953a |
| 4237 | mioa5653n | 4293 | MIOA5731a | 4349 | MIOA5812a | 4405 | MIOA5888a | 4461 | MIOA5954a |
| 4238 | MIOA5654 | 4294 | MIOA5733a | 4350 | MIOA5813a | 4406 | MIOA5889a | 4462 | MIOA5955a |
| 4239 | MIOA5655 | 4295 | MIOA5738a | 4351 | MIOA5814a | 4407 | mioa5891a | 4463 | MIOA5956a |
| 4240 | MIOA5656 | 4296 | MIOA5744a | 4352 | MIOA5817a | 4408 | MIOA5892a | 4464 | MIOA5957a |
| 4241 | mioa5659 | 4297 | MIOA5746a | 4353 | mioa5818a | 4409 | MIOA5893a | 4465 | MIOA5958a |
| 4242 | mioa5661n | 4298 | MIOA5747a | 4354 | mioa5819an | 4410 | MIOA5894a | 4466 | MIOA5959a |
| 4243 | MIOA5663 | 4299 | MIOA5748a | 4355 | MIOA5820a | 4411 | MIOA5895a | 4467 | MIOA5960a |
| 4244 | mioa5665n | 4300 | MIOA5750a | 4356 | MIOA5821a | 4412 | MIOA5896a | 4468 | MIOA5961a |
| 4245 | mioa5666n | 4301 | mioa5751a | 4357 | MIOA5822a | 4413 | MIOA5897a | 4469 | MIOA5963a |
| 4246 | MIOA5667 | 4302 | MIOA5752a | 4358 | MIOA5823a | 4414 | MIOA5898a | 4470 | MIOA5964a |
| 4247 | mioa5668n | 4303 | MIOA5753a | 4359 | MIOA5824a | 4415 | MIOA5899a | 4471 | MIOA5965a |
| 4248 | MIOA5669 | 4304 | mioa5754a | 4360 | MIOA5825a | 4416 | MIOA5901a | 4472 | MIOA5966a |
| 4249 | MIOA5672 | 4305 | mioa5755a | 4361 | MIOA5826a | 4417 | MIOA5902a | 4473 | mioa5968a |
| 4250 | MIOA5674 | 4306 | MIOA5756a | 4362 | MIOA5827a | 4418 | mioa5903an | 4474 | MIOA5969a |
| 4251 | MIOA5676 | 4307 | MIOA5758a | 4363 | MIOA5828a | 4419 | MIOA5904a | 4475 | MIOA5970a |
| 4252 | MIOA5677 | 4308 | MIOA5759a | 4364 | mioa5829a | 4420 | MIOA5905a | 4476 | MIOA5971a |
| 4253 | MIOA5678 | 4309 | MIOA5760a | 4365 | MIOA5833a | 4421 | MIOA5906a | 4477 | MIOA5974a |
| 4254 | mioa5679n | 4310 | MIOA5761a | 4366 | MIOA5834a | 4422 | mioa5910an | 4478 | MIOA5975a |
| 4255 | MIOA5681 | 4311 | mioa5762a | 4367 | mioa5835an | 4423 | MIOA5912a | 4479 | MIOA5976a |
| 4256 | MIOA5682 | 4312 | MIOA5764a | 4368 | MIOA5836a | 4424 | MIOA5913a | 4480 | MIOA5978a |

Figure 6D – Continued

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|------|-----------|------|------------|------|-----------|------|------------|------|------------|
| 4481 | MIOA5979a | 4537 | MIOA6049a | 4593 | mioa6117a | 4649 | MIOA6191a | 4705 | mioa6305a |
| 4482 | MIOA5980a | 4538 | MIOA6053a | 4594 | MIOA6118a | 4650 | mioa6192a | 4706 | mioa6307a |
| 4483 | mioa5981a | 4539 | MIOA6054a | 4595 | MIOA6121a | 4651 | MIOA6194a | 4707 | MIOA6312a |
| 4484 | MIOA5982a | 4540 | MIOA6056a | 4596 | MIOA6122a | 4652 | mioa6195an | 4708 | MIOA6314a |
| 4485 | MIOA5983a | 4541 | MIOA6057a | 4597 | mioa6123a | 4653 | MIOA6196a | 4709 | MIOA6315a |
| 4486 | mioa5984a | 4542 | MIOA6058a | 4598 | MIOA6124a | 4654 | MIOA6197a | 4710 | MIOA6316a |
| 4487 | MIOA5985a | 4543 | MIOA6059a | 4599 | MIOA6125a | 4655 | MIOA6198a | 4711 | MIOA6317a |
| 4488 | MIOA5986a | 4544 | MIOA6060a | 4600 | MIOA6126a | 4656 | MIOA6199a | 4712 | MIOA6320a |
| 4489 | mioa5988a | 4545 | MIOA6061a | 4601 | MIOA6127a | 4657 | MIOA6200a | 4713 | MIOA6323a |
| 4490 | MIOA5989a | 4546 | MIOA6062 | 4602 | MIOA6128a | 4658 | MIOA6202a | 4714 | MIOA6326a |
| 4491 | MIOA5990a | 4547 | MIOA6063a | 4603 | MIOA6129a | 4659 | MIOA6203a | 4715 | MIOA6328a |
| 4492 | MIOA5991a | 4548 | MIOA6064a | 4604 | MIOA6130a | 4660 | MIOA6204a | 4716 | mioa6332a |
| 4493 | MIOA5992a | 4549 | MIOA6065a | 4605 | MIOA6131a | 4661 | MIOA6205a | 4717 | MIOA6334a |
| 4494 | MIOA5993a | 4550 | mioa6066an | 4606 | MIOA6132a | 4662 | MIOA6206a | 4718 | MIOA6336a |
| 4495 | MIOA5994a | 4551 | MIOA6068a | 4607 | MIOA6133a | 4663 | MIOA6207a | 4719 | MIOA6340a |
| 4496 | MIOA5995a | 4552 | MIOA6069a | 4608 | MIOA6134a | 4664 | MIOA6208a | 4720 | MIOA6342a |
| 4497 | MIOA5996a | 4553 | MIOA6071a | 4609 | MIOA6135a | 4665 | MIOA6210a | 4721 | MIOA6346a |
| 4498 | MIOA5997a | 4554 | MIOA6072a | 4610 | MIOA6136a | 4666 | MIOA6211a | 4722 | mioa6355a |
| 4499 | MIOA5999a | 4555 | MIOA6075a | 4611 | mioa6142a | 4667 | MIOA6212a | 4723 | MIOA6356a |
| 4500 | MIOA6000a | 4556 | MIOA6076a | 4612 | MIOA6145a | 4668 | MIOA6214a | 4724 | MIOA6358a |
| 4501 | MIOA6003a | 4557 | MIOA6077a | 4613 | MIOA6147a | 4669 | MIOA6216a | 4725 | MIOA6360a |
| 4502 | MIOA6004a | 4558 | MIOA6078a | 4614 | MIOA6148a | 4670 | MIOA6220a | 4726 | MIOA6362a |
| 4503 | MIOA6005a | 4559 | MIOA6080a | 4615 | MIOA6149a | 4671 | MIOA6222a | 4727 | MIOA6363a |
| 4504 | MIOA6006a | 4560 | mioa6081a | 4616 | MIOA6150a | 4672 | MIOA6226a | 4728 | MIOA6364a |
| 4505 | MIOA6008a | 4561 | mioa6082an | 4617 | MIOA6151a | 4673 | MIOA6228a | 4729 | MIOA6368a |
| 4506 | MIOA6010a | 4562 | MIOA6083a | 4618 | MIOA6152a | 4674 | MIOA6230a | 4730 | MIOA6370a |
| 4507 | mioa6011a | 4563 | MIOA6084a | 4619 | MIOA6153a | 4675 | MIOA6232a | 4731 | MIOA6372a |
| 4508 | MIOA6014a | 4564 | MIOA6085a | 4620 | MIOA6154a | 4676 | MIOA6234a | 4732 | MIOA6374a |
| 4509 | MIOA6015a | 4565 | MIOA6086a | 4621 | MIOA6155a | 4677 | MIOA6236a | 4733 | MIOA6376a |
| 4510 | mioa6018a | 4566 | MIOA6087a | 4622 | MIOA6156a | 4678 | MIOA6238a | 4734 | MIOA6378a |
| 4511 | MIOA6019a | 4567 | MIOA6088a | 4623 | MIOA6157a | 4679 | MIOA6240a | 4735 | MIOA6379a |
| 4512 | MIOA6020a | 4568 | MIOA6089a | 4624 | mioa6158a | 4680 | MIOA6242a | 4736 | MIOA6386a |
| 4513 | MIOA6021a | 4569 | MIOA6090a | 4625 | MIOA6161a | 4681 | MIOA6244a | 4737 | mioa6387an |
| 4514 | MIOA6022a | 4570 | MIOA6091 | 4626 | MIOA6162a | 4682 | mioa6246a | 4738 | MIOA6388a |
| 4515 | MIOA6023a | 4571 | MIOA6092 | 4627 | MIOA6164a | 4683 | MIOA6248a | 4739 | MIOA6389a |
| 4516 | MIOA6024a | 4572 | MIOA6093a | 4628 | MIOA6165a | 4684 | MIOA6250a | 4740 | MIOA6392a |
| 4517 | MIOA6026a | 4573 | MIOA6094a | 4629 | MIOA6166a | 4685 | MIOA6251a | 4741 | MIOA6394a |
| 4518 | MIOA6027a | 4574 | MIOA6095a | 4630 | MIOA6167a | 4686 | MIOA6252a | 4742 | MIOA6398a |
| 4519 | MIOA6029a | 4575 | mioa6096a | 4631 | MIOA6168a | 4687 | MIOA6256a | 4743 | MIOA6401a |
| 4520 | MIOA6030 | 4576 | MIOA6098a | 4632 | MIOA6169a | 4688 | MIOA6262a | 4744 | MIOA6402a |
| 4521 | MIOA6032 | 4577 | MIOA6099a | 4633 | MIOA6170a | 4689 | MIOA6264a | 4745 | MIOA6403a |
| 4522 | MIOA6033 | 4578 | MIOA6100a | 4634 | MIOA6171a | 4690 | mioa6266a | 4746 | MIOA6404a |
| 4523 | MIOA6034 | 4579 | MIOA6101a | 4635 | MIOA6172a | 4691 | MIOA6268a | 4747 | MIOA6409a |
| 4524 | MIOA6035 | 4580 | MIOA6102a | 4636 | MIOA6173a | 4692 | MIOA6270a | 4748 | MIOA6410a |
| 4525 | mioa6036 | 4581 | MIOA6103a | 4637 | MIOA6174a | 4693 | MIOA6274a | 4749 | MIOA6411a |
| 4526 | MIOA6037 | 4582 | MIOA6104a | 4638 | MIOA6175a | 4694 | MIOA6280a | 4750 | MIOA6412a |
| 4527 | MIOA6038 | 4583 | MIOA6106a | 4639 | MIOA6178a | 4695 | MIOA6282a | 4751 | MIOA6413a |
| 4528 | MIOA6039 | 4584 | MIOA6108a | 4640 | MIOA6179a | 4696 | MIOA6284a | 4752 | MIOA6417a |
| 4529 | MIOA6040 | 4585 | MIOA6109a | 4641 | MIOA6180a | 4697 | MIOA6288a | 4753 | MIOA6418a |
| 4530 | MIOA6041 | 4586 | MIOA6110a | 4642 | MIOA6181a | 4698 | MIOA6290a | 4754 | MIOA6419a |
| 4531 | mioa6042n | 4587 | mioa6111a | 4643 | MIOA6182a | 4699 | MIOA6292a | 4755 | mioa6420a |
| 4532 | MIOA6043 | 4588 | MIOA6112a | 4644 | MIOA6185a | 4700 | MIOA6294a | 4756 | MIOA6421a |
| 4533 | MIOA6044 | 4589 | MIOA6113a | 4645 | MIOA6186a | 4701 | MIOA6296a | 4757 | MIOA6422a |
| 4534 | MIOA6045 | 4590 | MIOA6114a | 4646 | MIOA6188a | 4702 | mioa6298a | 4758 | MIOA6423a |
| 4535 | MIOA6047a | 4591 | MIOA6115a | 4647 | mioa6189a | 4703 | MIOA6300a | 4759 | MIOA6424a |
| 4536 | mioa6048a | 4592 | MIOA6116a | 4648 | MIOA6190a | 4704 | MIOA6302a | 4760 | MIOA6425a |

Figure 6D – Continued

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|------|-----------|------|------------|------|-----------|------|------------|------|------------|
| 4761 | MIOA6426a | 4817 | MIOA6493a | 4873 | MIOA6568a | 4929 | MIOA6633a | 4985 | MIOA6708a |
| 4762 | mioa6427a | 4818 | MIOA6496a | 4874 | MIOA6569a | 4930 | mioa6634a | 4986 | MIOA6710a |
| 4763 | MIOA6428a | 4819 | MIOA6500a | 4875 | MIOA6570a | 4931 | MIOA6635a | 4987 | MIOA6711a |
| 4764 | MIOA6429a | 4820 | MIOA6501a | 4876 | MIOA6571a | 4932 | MIOA6637a | 4988 | MIOA6712a |
| 4765 | MIOA6430a | 4821 | MIOA6502a | 4877 | mioa6572a | 4933 | mioa6638a | 4989 | mioa6714a |
| 4766 | MIOA6431a | 4822 | MIOA6504a | 4878 | mioa6573a | 4934 | MIOA6639a | 4990 | MIOA6715a |
| 4767 | MIOA6432a | 4823 | MIOA6508a | 4879 | MIOA6574a | 4935 | MIOA6640a | 4991 | MIOA6716a |
| 4768 | MIOA6434a | 4824 | MIOA6509a | 4880 | MIOA6575a | 4936 | MIOA6641a | 4992 | MIOA6717a |
| 4769 | MIOA6435a | 4825 | MIOA6510a | 4881 | MIOA6576a | 4937 | MIOA6643a | 4993 | MIOA6718a |
| 4770 | MIOA6436a | 4826 | MIOA6511a | 4882 | MIOA6577a | 4938 | MIOA6644a | 4994 | MIOA6719a |
| 4771 | MIOA6437a | 4827 | mioa6512a | 4883 | MIOA6578a | 4939 | mioa6645a | 4995 | MIOA6720a |
| 4772 | MIOA6439a | 4828 | MIOA6513a | 4884 | MIOA6580a | 4940 | MIOA6646a | 4996 | MIOA6721a |
| 4773 | MIOA6440a | 4829 | mioa6514a | 4885 | MIOA6581a | 4941 | MIOA6647a | 4997 | MIOA6722a |
| 4774 | MIOA6441a | 4830 | mioa6515a | 4886 | MIOA6582a | 4942 | MIOA6648a | 4998 | MIOA6723a |
| 4775 | MIOA6442a | 4831 | MIOA6516a | 4887 | MIOA6583a | 4943 | MIOA6649a | 4999 | MIOA6724a |
| 4776 | MIOA6444a | 4832 | MIOA6517a | 4888 | MIOA6584a | 4944 | MIOA6651a | 5000 | MIOA6725a |
| 4777 | mioa6445a | 4833 | MIOA6519a | 4889 | MIOA6585a | 4945 | MIOA6652a | 5001 | MIOA6726a |
| 4778 | MIOA6446a | 4834 | mioa6520an | 4890 | MIOA6586a | 4946 | MIOA6653a | 5002 | mioa6727a |
| 4779 | MIOA6448a | 4835 | MIOA6521a | 4891 | MIOA6587a | 4947 | MIOA6654a | 5003 | MIOA6728a |
| 4780 | mioa6449a | 4836 | MIOA6523a | 4892 | MIOA6588a | 4948 | MIOA6655a | 5004 | MIOA6730a |
| 4781 | mioa6450a | 4837 | mioa6524a | 4893 | mioa6590a | 4949 | MIOA6656a | 5005 | MIOA6731a |
| 4782 | MIOA6451a | 4838 | MIOA6525a | 4894 | MIOA6591a | 4950 | MIOA6657a | 5006 | MIOA6732a |
| 4783 | MIOA6452a | 4839 | MIOA6526a | 4895 | mioa6593a | 4951 | MIOA6659a | 5007 | MIOA6733a |
| 4784 | MIOA6453a | 4840 | MIOA6527a | 4896 | MIOA6594a | 4952 | MIOA6661a | 5008 | MIOA6734a |
| 4785 | MIOA6454a | 4841 | MIOA6529a | 4897 | MIOA6595a | 4953 | MIOA6662a | 5009 | MIOA6735a |
| 4786 | MIOA6455a | 4842 | MIOA6530a | 4898 | MIOA6596a | 4954 | MIOA6663a | 5010 | MIOA6736a |
| 4787 | MIOA6456a | 4843 | MIOA6531a | 4899 | MIOA6597a | 4955 | MIOA6664a | 5011 | MIOA6737a |
| 4788 | mioa6457a | 4844 | MIOA6532a | 4900 | MIOA6598a | 4956 | mioa6665a | 5012 | MIOA6738a |
| 4789 | MIOA6458a | 4845 | MIOA6533a | 4901 | MIOA6599a | 4957 | MIOA6666a | 5013 | MIOA6739a |
| 4790 | MIOA6459a | 4846 | mioa6534an | 4902 | MIOA6600a | 4958 | MIOA6668a | 5014 | MIOA6740a |
| 4791 | MIOA6460a | 4847 | mioa6536a | 4903 | MIOA6601a | 4959 | MIOA6670a | 5015 | mioa6743an |
| 4792 | mioa6461a | 4848 | MIOA6537a | 4904 | MIOA6603a | 4960 | MIOA6672a | 5016 | MIOA6744a |
| 4793 | MIOA6463a | 4849 | MIOA6539a | 4905 | MIOA6604a | 4961 | MIOA6673a | 5017 | MIOA6745a |
| 4794 | MIOA6464a | 4850 | MIOA6540a | 4906 | MIOA6605a | 4962 | MIOA6674a | 5018 | MIOA6746a |
| 4795 | MIOA6465a | 4851 | MIOA6541a | 4907 | MIOA6606a | 4963 | MIOA6675a | 5019 | MIOA6749a |
| 4796 | MIOA6466a | 4852 | MIOA6542a | 4908 | MIOA6607a | 4964 | mioa6676a | 5020 | MIOA6750a |
| 4797 | MIOA6467a | 4853 | MIOA6543a | 4909 | MIOA6608a | 4965 | MIOA6677a | 5021 | MIOA6756a |
| 4798 | MIOA6469a | 4854 | MIOA6544a | 4910 | MIOA6609a | 4966 | MIOA6678a | 5022 | MIOA6759a |
| 4799 | MIOA6471a | 4855 | MIOA6545a | 4911 | MIOA6610a | 4967 | MIOA6679a | 5023 | MIOA6762a |
| 4800 | MIOA6472a | 4856 | MIOA6546a | 4912 | MIOA6612a | 4968 | MIOA6680a | 5024 | MIOA6763a |
| 4801 | MIOA6474a | 4857 | MIOA6547a | 4913 | MIOA6613a | 4969 | MIOA6681a | 5025 | MIOA6765a |
| 4802 | MIOA6475a | 4858 | mioa6549an | 4914 | mioa6616a | 4970 | MIOA6683a | 5026 | MIOA6766a |
| 4803 | MIOA6476a | 4859 | MIOA6550a | 4915 | MIOA6619a | 4971 | MIOA6684a | 5027 | MIOA6767a |
| 4804 | MIOA6477a | 4860 | mioa6551a | 4916 | MIOA6620a | 4972 | MIOA6687a | 5028 | MIOA6768a |
| 4805 | MIOA6478a | 4861 | MIOA6552a | 4917 | MIOA6621a | 4973 | MIOA6688a | 5029 | mioa6770an |
| 4806 | mioa6480a | 4862 | MIOA6553a | 4918 | MIOA6622a | 4974 | MIOA6690a | 5030 | MIOA6771a |
| 4807 | MIOA6483a | 4863 | MIOA6554a | 4919 | MIOA6623a | 4975 | mioa6691a | 5031 | MIOA6772a |
| 4808 | MIOA6484a | 4864 | MIOA6556a | 4920 | MIOA6624a | 4976 | MIOA6697a | 5032 | MIOA6773a |
| 4809 | MIOA6485a | 4865 | MIOA6558a | 4921 | mioa6625a | 4977 | MIOA6698a | 5033 | MIOA6774a |
| 4810 | MIOA6486a | 4866 | MIOA6560a | 4922 | MIOA6626a | 4978 | MIOA6700a | 5034 | MIOA6775a |
| 4811 | MIOA6487a | 4867 | MIOA6561a | 4923 | MIOA6627a | 4979 | MIOA6701a | 5035 | MIOA6776a |
| 4812 | MIOA6488a | 4868 | MIOA6562a | 4924 | MIOA6628a | 4980 | mioa6702a | 5036 | MIOA6777a |
| 4813 | MIOA6489a | 4869 | MIOA6563a | 4925 | mioa6629a | 4981 | MIOA6703a | 5037 | MIOA6778a |
| 4814 | MIOA6490a | 4870 | MIOA6565a | 4926 | MIOA6630a | 4982 | MIOA6704a | 5038 | mioa6779a |
| 4815 | MIOA6491a | 4871 | MIOA6566a | 4927 | MIOA6631a | 4983 | mioa6705an | 5039 | MIOA6780a |
| 4816 | MIOA6492a | 4872 | MIOA6567a | 4928 | MIOA6632a | 4984 | MIOA6706a | 5040 | MIOA6781a |

Figure 6D – Continued

| | | | | | | | | | |
|------|------------|------|------------|------|-----------|------|-----------|------|------------|
| 5041 | mioa6782a | 5097 | MIOA6850a | 5153 | MIOA6947a | 5209 | MIOA7036a | 5265 | MIOA7114a |
| 5042 | MIOA6783a | 5098 | MIOA6851a | 5154 | MIOA6948a | 5210 | MIOA7037a | 5266 | mioa7115an |
| 5043 | MIOA6784a | 5099 | MIOA6853a | 5155 | MIOA6949a | 5211 | MIOA7038a | 5267 | MIOA7116a |
| 5044 | mioa6786a | 5100 | MIOA6854a | 5156 | MIOA6951a | 5212 | MIOA7039a | 5268 | MIOA7118a |
| 5045 | MIOA6790a | 5101 | MIOA6855a | 5157 | MIOA6953a | 5213 | MIOA7040a | 5269 | mioa7119a |
| 5046 | MIOA6791a | 5102 | mioa6856a | 5158 | MIOA6955a | 5214 | MIOA7041a | 5270 | MIOA7120a |
| 5047 | mioa6792an | 5103 | mioa6858an | 5159 | MIOA6956a | 5215 | MIOA7042a | 5271 | MIOA7121a |
| 5048 | MIOA6794a | 5104 | MIOA6860a | 5160 | MIOA6957a | 5216 | MIOA7045a | 5272 | MIOA7123a |
| 5049 | mioa6795a | 5105 | MIOA6862a | 5161 | MIOA6959a | 5217 | MIOA7046a | 5273 | MIOA7125a |
| 5050 | MIOA6797a | 5106 | MIOA6864a | 5162 | MIOA6960a | 5218 | MIOA7047a | 5274 | MIOA7126a |
| 5051 | MIOA6798a | 5107 | MIOA6865a | 5163 | MIOA6961a | 5219 | MIOA7048a | 5275 | MIOA7127a |
| 5052 | MIOA6799a | 5108 | MIOA6866a | 5164 | MIOA6962a | 5220 | MIOA7049a | 5276 | mioa7128a |
| 5053 | mioa6800a | 5109 | MIOA6867a | 5165 | MIOA6964a | 5221 | MIOA7050a | 5277 | MIOA7129a |
| 5054 | mioa6801a | 5110 | MIOA6869a | 5166 | mioa6965a | 5222 | mioa7051a | 5278 | MIOA7130a |
| 5055 | MIOA6802a | 5111 | MIOA6870a | 5167 | MIOA6967a | 5223 | MIOA7058a | 5279 | MIOA7132a |
| 5056 | MIOA6803a | 5112 | MIOA6874a | 5168 | MIOA6969a | 5224 | MIOA7059a | 5280 | MIOA7133a |
| 5057 | MIOA6804a | 5113 | MIOA6875a | 5169 | MIOA6978a | 5225 | MIOA7060a | 5281 | MIOA7134a |
| 5058 | MIOA6805a | 5114 | MIOA6877a | 5170 | MIOA6979a | 5226 | MIOA7063a | 5282 | mioa7136a |
| 5059 | MIOA6806a | 5115 | MIOA6878a | 5171 | MIOA6980a | 5227 | MIOA7066a | 5283 | MIOA7137a |
| 5060 | MIOA6807a | 5116 | MIOA6879a | 5172 | MIOA6981a | 5228 | MIOA7067a | 5284 | MIOA7138a |
| 5061 | MIOA6808a | 5117 | MIOA6880a | 5173 | MIOA6982a | 5229 | MIOA7068a | 5285 | MIOA7139a |
| 5062 | MIOA6809a | 5118 | MIOA6881a | 5174 | MIOA6983a | 5230 | MIOA7069a | 5286 | MIOA7140a |
| 5063 | MIOA6810a | 5119 | mioa6882an | 5175 | mioa6984a | 5231 | MIOA7070a | 5287 | MIOA7141a |
| 5064 | MIOA6811a | 5120 | mioa6883a | 5176 | MIOA6986a | 5232 | MIOA7071a | 5288 | MIOA7142a |
| 5065 | mioa6812a | 5121 | MIOA6885a | 5177 | MIOA6987a | 5233 | MIOA7072a | 5289 | MIOA7147a |
| 5066 | mioa6813a | 5122 | MIOA6886a | 5178 | MIOA6988a | 5234 | MIOA7073a | 5290 | MIOA7148a |
| 5067 | MIOA6814a | 5123 | mioa6887a | 5179 | MIOA6989a | 5235 | MIOA7075a | 5291 | MIOA7149a |
| 5068 | MIOA6815a | 5124 | MIOA6888a | 5180 | MIOA6990a | 5236 | MIOA7077a | 5292 | MIOA7150a |
| 5069 | MIOA6816a | 5125 | MIOA6889a | 5181 | MIOA6991a | 5237 | mioa7078a | 5293 | MIOA7151a |
| 5070 | MIOA6818a | 5126 | MIOA6891a | 5182 | mioa6994a | 5238 | MIOA7079a | 5294 | MIOA7152a |
| 5071 | MIOA6819a | 5127 | MIOA6892a | 5183 | MIOA6995a | 5239 | MIOA7080a | 5295 | MIOA7153a |
| 5072 | MIOA6820a | 5128 | MIOA6894a | 5184 | MIOA6999a | 5240 | MIOA7082a | 5296 | MIOA7154a |
| 5073 | MIOA6821a | 5129 | MIOA6896a | 5185 | MIOA7000a | 5241 | MIOA7084a | 5297 | MIOA7155a |
| 5074 | MIOA6822a | 5130 | mioa6897a | 5186 | MIOA7002a | 5242 | MIOA7087a | 5298 | MIOA7156a |
| 5075 | MIOA6823a | 5131 | MIOA6898a | 5187 | MIOA7003a | 5243 | MIOA7088a | 5299 | MIOA7158a |
| 5076 | MIOA6824a | 5132 | MIOA6899a | 5188 | MIOA7005a | 5244 | MIOA7089a | 5300 | MIOA7162a |
| 5077 | MIOA6825a | 5133 | MIOA6901a | 5189 | MIOA7006a | 5245 | mioa7090a | 5301 | mioa7163a |
| 5078 | MIOA6826a | 5134 | MIOA6903a | 5190 | MIOA7007a | 5246 | MIOA7091a | 5302 | MIOA7165a |
| 5079 | MIOA6827a | 5135 | MIOA6904a | 5191 | MIOA7008a | 5247 | MIOA7092a | 5303 | MIOA7166a |
| 5080 | MIOA6828a | 5136 | MIOA6908a | 5192 | MIOA7009a | 5248 | MIOA7093a | 5304 | MIOA7169a |
| 5081 | MIOA6830a | 5137 | MIOA6913a | 5193 | MIOA7010a | 5249 | MIOA7094a | 5305 | MIOA7170a |
| 5082 | MIOA6831a | 5138 | MIOA6914a | 5194 | MIOA7011a | 5250 | MIOA7095a | 5306 | MIOA7173a |
| 5083 | MIOA6832a | 5139 | MIOA6916a | 5195 | mioa7012a | 5251 | MIOA7096a | 5307 | MIOA7174a |
| 5084 | MIOA6833a | 5140 | MIOA6918a | 5196 | MIOA7013a | 5252 | MIOA7097a | 5308 | MIOA7175a |
| 5085 | MIOA6834a | 5141 | MIOA6922a | 5197 | MIOA7014a | 5253 | MIOA7099a | 5309 | MIOA7177a |
| 5086 | MIOA6835a | 5142 | MIOA6923a | 5198 | MIOA7015a | 5254 | MIOA7101a | 5310 | MIOA7178a |
| 5087 | mioa6836a | 5143 | MIOA6928a | 5199 | MIOA7018a | 5255 | MIOA7102a | 5311 | MIOA7179a |
| 5088 | mioa6838an | 5144 | MIOA6929a | 5200 | MIOA7019a | 5256 | MIOA7103a | 5312 | MIOA7180a |
| 5089 | MIOA6839a | 5145 | MIOA6930a | 5201 | MIOA7020a | 5257 | MIOA7104a | 5313 | MIOA7181a |
| 5090 | MIOA6840a | 5146 | MIOA6933a | 5202 | MIOA7022a | 5258 | MIOA7105a | 5314 | MIOA7182a |
| 5091 | MIOA6841a | 5147 | MIOA6934a | 5203 | MIOA7024a | 5259 | MIOA7107a | 5315 | MIOA7183a |
| 5092 | MIOA6842a | 5148 | MIOA6937a | 5204 | MIOA7026a | 5260 | MIOA7108a | 5316 | mioa7184a |
| 5093 | MIOA6843a | 5149 | MIOA6942a | 5205 | MIOA7027a | 5261 | MIOA7109a | 5317 | MIOA7186a |
| 5094 | MIOA6844a | 5150 | MIOA6943a | 5206 | mioa7028a | 5262 | MIOA7110a | 5318 | MIOA7187a |
| 5095 | MIOA6845a | 5151 | MIOA6944a | 5207 | MIOA7031a | 5263 | MIOA7111a | 5319 | MIOA7188a |
| 5096 | MIOA6846a | 5152 | MIOA6945a | 5208 | MIOA7034a | 5264 | MIOA7113a | 5320 | MIOA7189a |

Figure 6D – Continued

| | | | | | | | | | |
|------|-----------|------|-----------|------|-----------|------|------------|------|------------|
| 5321 | MIOA7190a | 5377 | mioa7254a | 5433 | MIOA7320 | 5489 | MIOA7401a | 5545 | MIOA7472a |
| 5322 | MIOA7191a | 5378 | MIOA7255a | 5434 | MIOA7322 | 5490 | MIOA7402a | 5546 | MIOA7474a |
| 5323 | MIOA7192a | 5379 | MIOA7256a | 5435 | MIOA7323 | 5491 | MIOA7403a | 5547 | MIOA7476a |
| 5324 | MIOA7193a | 5380 | MIOA7257a | 5436 | MIOA7324 | 5492 | MIOA7404a | 5548 | MIOA7478a |
| 5325 | MIOA7194a | 5381 | MIOA7258a | 5437 | mioa7325 | 5493 | MIOA7405a | 5549 | MIOA7479a |
| 5326 | MIOA7195a | 5382 | MIOA7259a | 5438 | MIOA7326 | 5494 | MIOA7406a | 5550 | MIOA7480a |
| 5327 | mioa7196a | 5383 | MIOA7260a | 5439 | MIOA7327 | 5495 | MIOA7407a | 5551 | MIOA7481a |
| 5328 | MIOA7197a | 5384 | MIOA7261a | 5440 | MIOA7328 | 5496 | MIOA7408a | 5552 | MIOA7482a |
| 5329 | mioa7198a | 5385 | MIOA7262a | 5441 | MIOA7331 | 5497 | MIOA7409a | 5553 | MIOA7484a |
| 5330 | MIOA7200a | 5386 | MIOA7263a | 5442 | MIOA7333a | 5498 | MIOA7411a | 5554 | MIOA7485a |
| 5331 | MIOA7201a | 5387 | MIOA7264a | 5443 | MIOA7334a | 5499 | MIOA7412a | 5555 | MIOA7487a |
| 5332 | MIOA7202a | 5388 | MIOA7265a | 5444 | MIOA7335a | 5500 | MIOA7413a | 5556 | MIOA7488a |
| 5333 | MIOA7204a | 5389 | MIOA7266a | 5445 | MIOA7336a | 5501 | MIOA7414a | 5557 | MIOA7489a |
| 5334 | MIOA7205a | 5390 | MIOA7267a | 5446 | MIOA7337a | 5502 | MIOA7415a | 5558 | MIOA7490a |
| 5335 | MIOA7206a | 5391 | MIOA7269a | 5447 | MIOA7338a | 5503 | MIOA7416a | 5559 | MIOA7493a |
| 5336 | MIOA7207a | 5392 | mioa7270a | 5448 | MIOA7339a | 5504 | MIOA7417a | 5560 | mioa7494an |
| 5337 | MIOA7208a | 5393 | MIOA7271 | 5449 | MIOA7341a | 5505 | MIOA7418a | 5561 | MIOA7495a |
| 5338 | MIOA7209a | 5394 | MIOA7272 | 5450 | MIOA7344a | 5506 | MIOA7419a | 5562 | MIOA7497a |
| 5339 | MIOA7211a | 5395 | MIOA7273 | 5451 | MIOA7345a | 5507 | MIOA7420a | 5563 | MIOA7498a |
| 5340 | MIOA7212a | 5396 | MIOA7274 | 5452 | MIOA7346a | 5508 | MIOA7421a | 5564 | MIOA7499a |
| 5341 | MIOA7214a | 5397 | MIOA7275 | 5453 | MIOA7347a | 5509 | MIOA7422a | 5565 | MIOA7500a |
| 5342 | MIOA7215a | 5398 | MIOA7277 | 5454 | MIOA7348a | 5510 | MIOA7423a | 5566 | MIOA7501a |
| 5343 | MIOA7216a | 5399 | MIOA7278 | 5455 | MIOA7350a | 5511 | MIOA7424a | 5567 | MIOA7502a |
| 5344 | MIOA7218a | 5400 | mioa7279 | 5456 | MIOA7351a | 5512 | MIOA7425a | 5568 | MIOA7503a |
| 5345 | MIOA7219a | 5401 | MIOA7280 | 5457 | MIOA7352a | 5513 | MIOA7426a | 5569 | MIOA7506a |
| 5346 | mioa7220a | 5402 | MIOA7283 | 5458 | MIOA7353a | 5514 | MIOA7427a | 5570 | MIOA7508a |
| 5347 | MIOA7223a | 5403 | MIOA7284 | 5459 | mioa7354a | 5515 | MIOA7428a | 5571 | mioa7509a |
| 5348 | MIOA7224a | 5404 | MIOA7285 | 5460 | MIOA7357a | 5516 | MIOA7429a | 5572 | MIOA7510a |
| 5349 | MIOA7225a | 5405 | MIOA7286 | 5461 | MIOA7359a | 5517 | MIOA7430a | 5573 | MIOA7512a |
| 5350 | MIOA7226a | 5406 | mioa7287 | 5462 | MIOA7361a | 5518 | MIOA7432a | 5574 | MIOA7513a |
| 5351 | MIOA7227a | 5407 | MIOA7288 | 5463 | MIOA7362a | 5519 | MIOA7433a | 5575 | MIOA7514a |
| 5352 | MIOA7229a | 5408 | MIOA7289 | 5464 | MIOA7363a | 5520 | MIOA7435a | 5576 | MIOA7515a |
| 5353 | MIOA7230a | 5409 | MIOA7290 | 5465 | MIOA7364a | 5521 | MIOA7436a | 5577 | MIOA7516a |
| 5354 | MIOA7231a | 5410 | MIOA7291 | 5466 | MIOA7365a | 5522 | MIOA7437a | 5578 | MIOA7518a |
| 5355 | MIOA7232a | 5411 | MIOA7295 | 5467 | MIOA7366a | 5523 | MIOA7438a | 5579 | MIOA7519a |
| 5356 | MIOA7233a | 5412 | MIOA7296 | 5468 | MIOA7367a | 5524 | MIOA7441a | 5580 | MIOA7520a |
| 5357 | mioa7234a | 5413 | MIOA7297 | 5469 | MIOA7368a | 5525 | MIOA7442a | 5581 | MIOA7521a |
| 5358 | MIOA7235a | 5414 | MIOA7298 | 5470 | MIOA7371a | 5526 | MIOA7443a | 5582 | MIOA7522a |
| 5359 | MIOA7236a | 5415 | MIOA7299 | 5471 | MIOA7372a | 5527 | MIOA7444a | 5583 | MIOA7523a |
| 5360 | MIOA7237a | 5416 | MIOA7300 | 5472 | MIOA7373a | 5528 | mioa7445a | 5584 | MIOA7526a |
| 5361 | mioa7238a | 5417 | MIOA7301 | 5473 | MIOA7374a | 5529 | MIOA7446a | 5585 | MIOA7527a |
| 5362 | MIOA7239a | 5418 | MIOA7302 | 5474 | MIOA7375a | 5530 | MIOA7447a | 5586 | mioa7529an |
| 5363 | MIOA7240a | 5419 | MIOA7303 | 5475 | MIOA7377a | 5531 | MIOA7448a | 5587 | MIOA7530a |
| 5364 | MIOA7241a | 5420 | MIOA7306 | 5476 | MIOA7378a | 5532 | MIOA7451a | 5588 | MIOA7531a |
| 5365 | MIOA7242a | 5421 | MIOA7307 | 5477 | MIOA7381a | 5533 | MIOA7452a | 5589 | MIOA7532a |
| 5366 | MIOA7243a | 5422 | MIOA7308 | 5478 | MIOA7382a | 5534 | mioa7453a | 5590 | MIOA7533a |
| 5367 | mioa7244a | 5423 | MIOA7309 | 5479 | MIOA7383a | 5535 | MIOA7454a | 5591 | MIOA7534a |
| 5368 | MIOA7245a | 5424 | MIOA7310 | 5480 | MIOA7385a | 5536 | MIOA7455a | 5592 | MIOA7536a |
| 5369 | MIOA7246a | 5425 | mioa7312 | 5481 | mioa7386a | 5537 | MIOA7456a | 5593 | mioa7537a |
| 5370 | MIOA7247a | 5426 | MIOA7313 | 5482 | MIOA7387a | 5538 | MIOA7457a | 5594 | MIOA7538a |
| 5371 | MIOA7248a | 5427 | MIOA7314 | 5483 | MIOA7388a | 5539 | mioa7458a | 5595 | MIOA7539a |
| 5372 | MIOA7249a | 5428 | MIOA7315 | 5484 | MIOA7390a | 5540 | MIOA7459a | 5596 | MIOA7541a |
| 5373 | MIOA7250a | 5429 | MIOA7316 | 5485 | MIOA7392a | 5541 | MIOA7461a | 5597 | MIOA7542a |
| 5374 | MIOA7251a | 5430 | MIOA7317 | 5486 | MIOA7395a | 5542 | MIOA7465a | 5598 | MIOA7543a |
| 5375 | MIOA7252a | 5431 | MIOA7318 | 5487 | MIOA7399a | 5543 | mioa7466an | 5599 | MIOA7544a |
| 5376 | mioa7253a | 5432 | MIOA7319 | 5488 | MIOA7400a | 5544 | MIOA7467a | 5600 | MIOA7545a |

Figure 6D – Continued

| | | | | | | | | | |
|------|-----------|------|-----------|------|-----------|------|-----------|------|----------|
| 5601 | MIOA7547a | 5657 | mioa7620a | 5713 | mioa7704a | 5769 | mioa7799a | 5825 | mioa7868 |
| 5602 | MIOA7548a | 5658 | MIOA7622a | 5714 | mioa7705a | 5770 | mioa7800a | 5826 | mioa7869 |
| 5603 | MIOA7549a | 5659 | MIOA7623a | 5715 | mioa7706a | 5771 | mioa7801a | 5827 | mioa7870 |
| 5604 | MIOA7550a | 5660 | MIOA7624a | 5716 | mioa7707a | 5772 | mioa7803a | 5828 | mioa7873 |
| 5605 | MIOA7553a | 5661 | MIOA7625a | 5717 | mioa7708a | 5773 | mioa7804a | 5829 | mioa7874 |
| 5606 | MIOA7554a | 5662 | MIOA7628a | 5718 | mioa7709a | 5774 | mioa7805a | 5830 | mioa7875 |
| 5607 | MIOA7555a | 5663 | MIOA7629a | 5719 | mioa7710a | 5775 | mioa7806a | 5831 | mioa7876 |
| 5608 | MIOA7556a | 5664 | MIOA7630a | 5720 | mioa7711a | 5776 | mioa7807a | 5832 | mioa7878 |
| 5609 | MIOA7558a | 5665 | MIOA7631a | 5721 | mioa7713a | 5777 | mioa7808a | 5833 | mioa7879 |
| 5610 | MIOA7559a | 5666 | MIOA7632a | 5722 | mioa7714a | 5778 | mioa7809a | 5834 | mioa7880 |
| 5611 | MIOA7560a | 5667 | mioa7636a | 5723 | mioa7715a | 5779 | mioa7810a | 5835 | mioa7881 |
| 5612 | MIOA7561a | 5668 | mioa7637a | 5724 | mioa7716a | 5780 | mioa7812a | 5836 | mioa7882 |
| 5613 | MIOA7562a | 5669 | mioa7639a | 5725 | mioa7717a | 5781 | mioa7813a | 5837 | mioa7883 |
| 5614 | MIOA7564a | 5670 | mioa7640a | 5726 | mioa7718a | 5782 | mioa7814a | 5838 | mioa7884 |
| 5615 | MIOA7565a | 5671 | mioa7641a | 5727 | mioa7719a | 5783 | mioa7815a | 5839 | mioa7885 |
| 5616 | MIOA7566a | 5672 | mioa7642a | 5728 | mioa7720a | 5784 | mioa7816a | 5840 | mioa7886 |
| 5617 | MIOA7568a | 5673 | mioa7643a | 5729 | mioa7721a | 5785 | mioa7817a | 5841 | mioa7887 |
| 5618 | MIOA7569a | 5674 | mioa7644a | 5730 | mioa7722a | 5786 | mioa7818a | 5842 | mioa7888 |
| 5619 | MIOA7570a | 5675 | mioa7645a | 5731 | mioa7723a | 5787 | mioa7819a | 5843 | mioa7889 |
| 5620 | mioa7571a | 5676 | mioa7646a | 5732 | mioa7725a | 5788 | mioa7820a | 5844 | mioa7890 |
| 5621 | MIOA7572a | 5677 | mioa7647a | 5733 | mioa7727a | 5789 | mioa7821a | 5845 | mioa7891 |
| 5622 | MIOA7573a | 5678 | mioa7649a | 5734 | mioa7728a | 5790 | mioa7823a | 5846 | mioa7892 |
| 5623 | MIOA7574a | 5679 | mioa7650a | 5735 | mioa7730a | 5791 | mioa7824a | 5847 | mioa7893 |
| 5624 | MIOA7576a | 5680 | mioa7652a | 5736 | mioa7731a | 5792 | mioa7825a | 5848 | mioa7894 |
| 5625 | MIOA7578a | 5681 | mioa7653a | 5737 | mioa7732a | 5793 | mioa7826a | 5849 | mioa7895 |
| 5626 | MIOA7579a | 5682 | mioa7654a | 5738 | mioa7733a | 5794 | mioa7827a | 5850 | mioa7896 |
| 5627 | MIOA7581a | 5683 | mioa7656a | 5739 | mioa7735a | 5795 | mioa7829a | 5851 | mioa7897 |
| 5628 | MIOA7582a | 5684 | mioa7657a | 5740 | mioa7736a | 5796 | mioa7830a | 5852 | mioa7898 |
| 5629 | MIOA7583a | 5685 | mioa7659a | 5741 | mioa7737a | 5797 | mioa7831a | 5853 | mioa7899 |
| 5630 | MIOA7584a | 5686 | mioa7660a | 5742 | mioa7738a | 5798 | mioa7832a | 5854 | mioa7900 |
| 5631 | MIOA7585a | 5687 | mioa7661a | 5743 | mioa7739a | 5799 | mioa7835a | 5855 | mioa7901 |
| 5632 | MIOA7586a | 5688 | mioa7667a | 5744 | mioa7740a | 5800 | mioa7836a | 5856 | mioa7904 |
| 5633 | MIOA7587a | 5689 | mioa7670a | 5745 | mioa7741a | 5801 | mioa7838a | 5857 | mioa7905 |
| 5634 | MIOA7588a | 5690 | mioa7671a | 5746 | mioa7745a | 5802 | mioa7839a | 5858 | mioa7906 |
| 5635 | MIOA7589a | 5691 | mioa7672a | 5747 | mioa7746a | 5803 | mioa7840a | 5859 | mioa7907 |
| 5636 | MIOA7590a | 5692 | mioa7673a | 5748 | mioa7754a | 5804 | mioa7841a | 5860 | mioa7908 |
| 5637 | MIOA7592a | 5693 | mioa7677a | 5749 | mioa7755a | 5805 | mioa7842a | 5861 | mioa7909 |
| 5638 | MIOA7593a | 5694 | mioa7678a | 5750 | mioa7757a | 5806 | mioa7843a | 5862 | mioa7910 |
| 5639 | MIOA7594a | 5695 | mioa7679a | 5751 | mioa7758a | 5807 | mioa7844a | 5863 | mioa7911 |
| 5640 | MIOA7596a | 5696 | mioa7681a | 5752 | mioa7762a | 5808 | mioa7845a | 5864 | mioa7913 |
| 5641 | MIOA7597a | 5697 | mioa7682a | 5753 | mioa7763a | 5809 | mioa7846a | 5865 | mioa7915 |
| 5642 | MIOA7598a | 5698 | mioa7684a | 5754 | mioa7766a | 5810 | mioa7848 | 5866 | mioa7916 |
| 5643 | mioa7600a | 5699 | mioa7685a | 5755 | mioa7767a | 5811 | mioa7849 | 5867 | mioa7917 |
| 5644 | MIOA7602a | 5700 | mioa7687a | 5756 | mioa7768a | 5812 | mioa7852 | 5868 | mioa7918 |
| 5645 | MIOA7603a | 5701 | mioa7688a | 5757 | mioa7772a | 5813 | mioa7854 | 5869 | mioa7919 |
| 5646 | MIOA7604a | 5702 | mioa7692a | 5758 | mioa7773a | 5814 | mioa7855 | 5870 | mioa7920 |
| 5647 | MIOA7606a | 5703 | mioa7693a | 5759 | mioa7775a | 5815 | mioa7856 | 5871 | mioa7922 |
| 5648 | MIOA7607a | 5704 | mioa7694a | 5760 | mioa7776a | 5816 | mioa7857 | 5872 | mioa7923 |
| 5649 | MIOA7608a | 5705 | mioa7695a | 5761 | mioa7780a | 5817 | mioa7858 | 5873 | mioa7924 |
| 5650 | MIOA7609a | 5706 | mioa7696a | 5762 | mioa7783a | 5818 | mioa7859 | 5874 | mioa7927 |
| 5651 | MIOA7610a | 5707 | mioa7698a | 5763 | mioa7788a | 5819 | mioa7860 | 5875 | mioa7928 |
| 5652 | MIOA7611a | 5708 | mioa7699a | 5764 | mioa7789a | 5820 | mioa7861 | 5876 | mioa7929 |
| 5653 | MIOA7612a | 5709 | mioa7700a | 5765 | mioa7790a | 5821 | mioa7862 | 5877 | mioa7930 |
| 5654 | MIOA7613a | 5710 | mioa7701a | 5766 | mioa7791a | 5822 | mioa7864 | 5878 | mioa7931 |
| 5655 | MIOA7617a | 5711 | mioa7702a | 5767 | mioa7794a | 5823 | mioa7866 | 5879 | mioa7932 |
| 5656 | MIOA7618a | 5712 | mioa7703a | 5768 | mioa7798a | 5824 | mioa7867 | 5880 | mioa7933 |

Figure 6D – Continued

| | | | | | | | | | |
|------|------------|------|-----------|------|----------|------|-----------|------|-----------|
| 5881 | mioa7934 | 5937 | MIOA8024a | 5993 | mioa8094 | 6049 | MIOA8163 | 6105 | MIOA8230 |
| 5882 | mioa7935 | 5938 | MIOA8025a | 5994 | MIOA8095 | 6050 | MIOA8164 | 6106 | MIOA8232 |
| 5883 | mioa7936 | 5939 | MIOA8026a | 5995 | MIOA8096 | 6051 | MIOA8165 | 6107 | MIOA8233 |
| 5884 | mioa7937 | 5940 | MIOA8027a | 5996 | MIOA8097 | 6052 | mioa8166 | 6108 | MIOA8235 |
| 5885 | mioa7943 | 5941 | MIOA8028a | 5997 | MIOA8099 | 6053 | MIOA8167 | 6109 | MIOA8236 |
| 5886 | mioa7946 | 5942 | MIOA8029a | 5998 | MIOA8100 | 6054 | mioa8168 | 6110 | MIOA8237 |
| 5887 | MIOA7949a | 5943 | MIOA8030a | 5999 | MIOA8101 | 6055 | MIOA8169 | 6111 | MIOA8238 |
| 5888 | MIOA7950a | 5944 | MIOA8031a | 6000 | MIOA8102 | 6056 | MIOA8170 | 6112 | MIOA8239 |
| 5889 | MIOA7951a | 5945 | MIOA8032a | 6001 | MIOA8103 | 6057 | MIOA8171 | 6113 | MIOA8241 |
| 5890 | MIOA7953a | 5946 | MIOA8033a | 6002 | mioa8104 | 6058 | MIOA8173 | 6114 | MIOA8242 |
| 5891 | MIOA7954a | 5947 | MIOA8034a | 6003 | MIOA8105 | 6059 | mioa8174 | 6115 | mioa8243 |
| 5892 | MIOA7955a | 5948 | MIOA8035a | 6004 | MIOA8106 | 6060 | MIOA8175 | 6116 | MIOA8244 |
| 5893 | MIOA7956a | 5949 | MIOA8036a | 6005 | MIOA8107 | 6061 | MIOA8176 | 6117 | MIOA8245 |
| 5894 | MIOA7957a | 5950 | MIOA8037a | 6006 | MIOA8108 | 6062 | MIOA8177 | 6118 | MIOA8246 |
| 5895 | MIOA7958a | 5951 | MIOA8039a | 6007 | MIOA8109 | 6063 | mioa8179 | 6119 | MIOA8247 |
| 5896 | MIOA7959a | 5952 | MIOA8040a | 6008 | MIOA8110 | 6064 | MIOA8181 | 6120 | MIOA8248 |
| 5897 | MIOA7967a | 5953 | MIOA8041a | 6009 | MIOA8111 | 6065 | MIOA8182 | 6121 | MIOA8251 |
| 5898 | MIOA7968a | 5954 | MIOA8043a | 6010 | MIOA8112 | 6066 | MIOA8183 | 6122 | MIOA8252 |
| 5899 | MIOA7969a | 5955 | MIOA8045a | 6011 | MIOA8113 | 6067 | mioa8184 | 6123 | MIOA8255 |
| 5900 | MIOA7970a | 5956 | MIOA8048a | 6012 | MIOA8115 | 6068 | MIOA8185 | 6124 | MIOA8258 |
| 5901 | MIOA7973a | 5957 | MIOA8049a | 6013 | MIOA8116 | 6069 | MIOA8186 | 6125 | mioa8259 |
| 5902 | MIOA7976a | 5958 | MIOA8050a | 6014 | mioa8117 | 6070 | MIOA8187 | 6126 | MIOA8261 |
| 5903 | MIOA7977a | 5959 | MIOA8051a | 6015 | MIOA8118 | 6071 | MIOA8188 | 6127 | MIOA8262 |
| 5904 | MIOA7980a | 5960 | MIOA8053a | 6016 | MIOA8120 | 6072 | MIOA8191 | 6128 | MIOA8263 |
| 5905 | MIOA7981a | 5961 | mioa8056a | 6017 | MIOA8121 | 6073 | MIOA8192 | 6129 | MIOA8264 |
| 5906 | MIOA7982a | 5962 | MIOA8057a | 6018 | MIOA8122 | 6074 | MIOA8193 | 6130 | MIOA8266 |
| 5907 | MIOA7983a | 5963 | MIOA8058a | 6019 | MIOA8123 | 6075 | MIOA8196 | 6131 | MIOA8267 |
| 5908 | MIOA7986a | 5964 | MIOA8059a | 6020 | MIOA8124 | 6076 | MIOA8198 | 6132 | MIOA8269 |
| 5909 | MIOA7988a | 5965 | MIOA8062a | 6021 | MIOA8125 | 6077 | mioa8199n | 6133 | mioa8271 |
| 5910 | MIOA7989a | 5966 | MIOA8063a | 6022 | MIOA8126 | 6078 | MIOA8200 | 6134 | MIOA8272 |
| 5911 | mioa7990an | 5967 | MIOA8064a | 6023 | MIOA8127 | 6079 | MIOA8201 | 6135 | MIOA8273 |
| 5912 | MIOA7992a | 5968 | MIOA8065a | 6024 | MIOA8128 | 6080 | MIOA8202 | 6136 | MIOA8274 |
| 5913 | MIOA7993a | 5969 | MIOA8066 | 6025 | MIOA8129 | 6081 | mioa8203n | 6137 | MIOA8275 |
| 5914 | MIOA7994a | 5970 | MIOA8067 | 6026 | MIOA8130 | 6082 | MIOA8204 | 6138 | MIOA8276 |
| 5915 | MIOA7995a | 5971 | mioa8068n | 6027 | MIOA8131 | 6083 | MIOA8205 | 6139 | MIOA8282 |
| 5916 | MIOA7997a | 5972 | MIOA8069 | 6028 | MIOA8134 | 6084 | MIOA8206 | 6140 | MIOA8283 |
| 5917 | MIOA7998a | 5973 | MIOA8070 | 6029 | MIOA8135 | 6085 | MIOA8208 | 6141 | MIOA8284 |
| 5918 | MIOA8001a | 5974 | MIOA8071 | 6030 | mioa8136 | 6086 | MIOA8209 | 6142 | mioa8286 |
| 5919 | MIOA8002a | 5975 | MIOA8072 | 6031 | MIOA8144 | 6087 | MIOA8210 | 6143 | mioa8287n |
| 5920 | MIOA8003a | 5976 | MIOA8073 | 6032 | MIOA8146 | 6088 | MIOA8211 | 6144 | mioa8288 |
| 5921 | MIOA8004a | 5977 | MIOA8074 | 6033 | MIOA8147 | 6089 | MIOA8213 | 6145 | MIOA8289 |
| 5922 | MIOA8005a | 5978 | MIOA8075 | 6034 | MIOA8148 | 6090 | mioa8214 | 6146 | MIOA8290 |
| 5923 | MIOA8007a | 5979 | MIOA8076 | 6035 | MIOA8149 | 6091 | MIOA8215 | 6147 | MIOA8291 |
| 5924 | MIOA8009a | 5980 | MIOA8077 | 6036 | MIOA8150 | 6092 | MIOA8216 | 6148 | mioa8294n |
| 5925 | mioa8010a | 5981 | MIOA8078 | 6037 | MIOA8151 | 6093 | MIOA8218 | 6149 | mioa8296n |
| 5926 | MIOA8011a | 5982 | mioa8079 | 6038 | MIOA8152 | 6094 | MIOA8219 | 6150 | MIOA8297 |
| 5927 | MIOA8012a | 5983 | MIOA8080 | 6039 | MIOA8153 | 6095 | MIOA8220 | 6151 | mioa8298n |
| 5928 | MIOA8013a | 5984 | MIOA8081 | 6040 | MIOA8154 | 6096 | MIOA8221 | 6152 | MIOA8299 |
| 5929 | MIOA8014a | 5985 | MIOA8082 | 6041 | MIOA8155 | 6097 | MIOA8222 | 6153 | MIOA8300 |
| 5930 | MIOA8015a | 5986 | MIOA8083 | 6042 | MIOA8156 | 6098 | MIOA8223 | 6154 | mioa8301n |
| 5931 | MIOA8016a | 5987 | MIOA8084 | 6043 | MIOA8157 | 6099 | MIOA8224 | 6155 | MIOA8302 |
| 5932 | MIOA8018a | 5988 | MIOA8085 | 6044 | mioa8158 | 6100 | MIOA8225 | 6156 | MIOA8303 |
| 5933 | MIOA8019a | 5989 | MIOA8088 | 6045 | MIOA8159 | 6101 | mioa8226 | 6157 | MIOA8304 |
| 5934 | MIOA8020a | 5990 | MIOA8089 | 6046 | MIOA8160 | 6102 | MIOA8227 | 6158 | MIOA8305 |
| 5935 | MIOA8021a | 5991 | MIOA8090 | 6047 | MIOA8161 | 6103 | MIOA8228 | 6159 | MIOA8307 |
| 5936 | MIOA8022a | 5992 | MIOA8092 | 6048 | MIOA8162 | 6104 | MIOA8229 | 6160 | MIOA8308 |

Figure 6D – Continued

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|------|-----------|------|-----------|------|-----------|------|----------|------|----------|
| 6161 | MIOA8309 | 6217 | mioa8381 | 6273 | mioa8464 | 6329 | MIOA8535 | 6385 | MIOA8600 |
| 6162 | MIOA8310 | 6218 | MIOA8383 | 6274 | MIOA8465 | 6330 | MIOA8536 | 6386 | MIOA8601 |
| 6163 | MIOA8311 | 6219 | mioa8384 | 6275 | MIOA8466 | 6331 | MIOA8538 | 6387 | MIOA8602 |
| 6164 | MIOA8313 | 6220 | mioa8385 | 6276 | mioa8467 | 6332 | MIOA8539 | 6388 | MIOA8603 |
| 6165 | MIOA8314 | 6221 | MIOA8386 | 6277 | MIOA8468 | 6333 | MIOA8541 | 6389 | MIOA8604 |
| 6166 | MIOA8315 | 6222 | MIOA8387 | 6278 | MIOA8469 | 6334 | MIOA8542 | 6390 | MIOA8606 |
| 6167 | MIOA8316 | 6223 | mioa8388 | 6279 | mioa8470 | 6335 | MIOA8543 | 6391 | MIOA8607 |
| 6168 | MIOA8317 | 6224 | mioa8389 | 6280 | mioa8471n | 6336 | mioa8544 | 6392 | MIOA8608 |
| 6169 | MIOA8318 | 6225 | mioa8391 | 6281 | MIOA8472 | 6337 | MIOA8545 | 6393 | MIOA8611 |
| 6170 | MIOA8320 | 6226 | MIOA8392 | 6282 | MIOA8473 | 6338 | MIOA8546 | 6394 | MIOA8613 |
| 6171 | mioa8323 | 6227 | mioa8393 | 6283 | mioa8474 | 6339 | MIOA8547 | 6395 | MIOA8615 |
| 6172 | mioa8324 | 6228 | MIOA8394 | 6284 | MIOA8476 | 6340 | MIOA8548 | 6396 | MIOA8617 |
| 6173 | mioa8326n | 6229 | MIOA8395 | 6285 | MIOA8477 | 6341 | MIOA8549 | 6397 | MIOA8618 |
| 6174 | MIOA8327 | 6230 | MIOA8396 | 6286 | MIOA8478 | 6342 | MIOA8550 | 6398 | MIOA8620 |
| 6175 | MIOA8328 | 6231 | mioa8397a | 6287 | mioa8481 | 6343 | MIOA8551 | 6399 | MIOA8621 |
| 6176 | MIOA8329 | 6232 | MIOA8398 | 6288 | MIOA8482 | 6344 | MIOA8552 | 6400 | MIOA8622 |
| 6177 | mioa8330n | 6233 | MIOA8399 | 6289 | mioa8483 | 6345 | MIOA8553 | 6401 | MIOA8624 |
| 6178 | MIOA8331 | 6234 | mioa8403 | 6290 | MIOA8484 | 6346 | MIOA8557 | 6402 | MIOA8625 |
| 6179 | mioa8332 | 6235 | MIOA8404 | 6291 | MIOA8485 | 6347 | MIOA8558 | 6403 | MIOA8627 |
| 6180 | MIOA8333 | 6236 | MIOA8405 | 6292 | MIOA8486 | 6348 | MIOA8559 | 6404 | MIOA8629 |
| 6181 | MIOA8334 | 6237 | MIOA8407 | 6293 | MIOA8487 | 6349 | MIOA8560 | 6405 | MIOA8630 |
| 6182 | MIOA8335 | 6238 | MIOA8408 | 6294 | MIOA8488 | 6350 | MIOA8561 | 6406 | MIOA8631 |
| 6183 | mioa8336 | 6239 | MIOA8409 | 6295 | MIOA8489 | 6351 | MIOA8563 | 6407 | MIOA8632 |
| 6184 | MIOA8337 | 6240 | MIOA8416 | 6296 | mioa8491n | 6352 | MIOA8564 | 6408 | MIOA8634 |
| 6185 | MIOA8338 | 6241 | MIOA8417 | 6297 | MIOA8494 | 6353 | MIOA8565 | 6409 | MIOA8635 |
| 6186 | MIOA8339 | 6242 | MIOA8418 | 6298 | MIOA8495 | 6354 | MIOA8566 | 6410 | MIOA8637 |
| 6187 | MIOA8341 | 6243 | MIOA8421 | 6299 | MIOA8497 | 6355 | mioa8567 | 6411 | MIOA8638 |
| 6188 | MIOA8343 | 6244 | MIOA8422 | 6300 | MIOA8498 | 6356 | MIOA8568 | 6412 | MIOA8639 |
| 6189 | mioa8345n | 6245 | MIOA8423 | 6301 | MIOA8499 | 6357 | MIOA8569 | 6413 | MIOA8641 |
| 6190 | MIOA8346 | 6246 | MIOA8428 | 6302 | MIOA8500 | 6358 | mioa8570 | 6414 | MIOA8644 |
| 6191 | MIOA8347 | 6247 | MIOA8429 | 6303 | MIOA8501 | 6359 | MIOA8571 | 6415 | MIOA8645 |
| 6192 | MIOA8348 | 6248 | MIOA8432 | 6304 | MIOA8502 | 6360 | MIOA8572 | 6416 | MIOA8646 |
| 6193 | MIOA8349 | 6249 | MIOA8433 | 6305 | MIOA8503 | 6361 | MIOA8573 | 6417 | MIOA8647 |
| 6194 | MIOA8350 | 6250 | mioa8434 | 6306 | mioa8506n | 6362 | MIOA8574 | 6418 | MIOA8648 |
| 6195 | MIOA8351 | 6251 | MIOA8435 | 6307 | MIOA8507 | 6363 | MIOA8576 | 6419 | MIOA8649 |
| 6196 | mioa8352n | 6252 | MIOA8437 | 6308 | mioa8508 | 6364 | MIOA8577 | 6420 | MIOA8650 |
| 6197 | MIOA8353 | 6253 | MIOA8438 | 6309 | MIOA8509 | 6365 | MIOA8578 | 6421 | MIOA8651 |
| 6198 | MIOA8354 | 6254 | MIOA8439 | 6310 | MIOA8510 | 6366 | MIOA8580 | 6422 | MIOA8652 |
| 6199 | MIOA8355 | 6255 | MIOA8440 | 6311 | MIOA8511 | 6367 | MIOA8581 | 6423 | MIOA8653 |
| 6200 | MIOA8356 | 6256 | mioa8443n | 6312 | MIOA8512 | 6368 | MIOA8582 | 6424 | MIOA8655 |
| 6201 | MIOA8359 | 6257 | MIOA8444 | 6313 | mioa8513n | 6369 | MIOA8583 | 6425 | MIOA8656 |
| 6202 | MIOA8360 | 6258 | mioa8445n | 6314 | MIOA8515 | 6370 | MIOA8584 | 6426 | MIOA8657 |
| 6203 | MIOA8361 | 6259 | MIOA8446 | 6315 | mioa8516 | 6371 | mioa8585 | 6427 | MIOA8658 |
| 6204 | MIOA8363 | 6260 | MIOA8447 | 6316 | MIOA8517 | 6372 | MIOA8586 | 6428 | MIOA8660 |
| 6205 | mioa8364n | 6261 | MIOA8449 | 6317 | MIOA8518 | 6373 | MIOA8587 | 6429 | mioa8661 |
| 6206 | MIOA8365 | 6262 | MIOA8451 | 6318 | MIOA8520 | 6374 | MIOA8588 | 6430 | mioa8662 |
| 6207 | MIOA8366 | 6263 | MIOA8452 | 6319 | MIOA8521 | 6375 | MIOA8589 | 6431 | MIOA8663 |
| 6208 | MIOA8367 | 6264 | MIOA8453 | 6320 | MIOA8522 | 6376 | MIOA8590 | 6432 | MIOA8664 |
| 6209 | MIOA8368 | 6265 | MIOA8454 | 6321 | MIOA8523 | 6377 | MIOA8591 | 6433 | MIOA8665 |
| 6210 | mioa8369n | 6266 | MIOA8455 | 6322 | MIOA8524 | 6378 | MIOA8592 | 6434 | MIOA8666 |
| 6211 | MIOA8371 | 6267 | MIOA8456 | 6323 | MIOA8525 | 6379 | MIOA8594 | 6435 | MIOA8667 |
| 6212 | MIOA8374 | 6268 | MIOA8457 | 6324 | MIOA8526 | 6380 | MIOA8595 | 6436 | MIOA8668 |
| 6213 | MIOA8376 | 6269 | MIOA8460 | 6325 | MIOA8529 | 6381 | MIOA8596 | 6437 | MIOA8669 |
| 6214 | MIOA8377 | 6270 | mioa8461n | 6326 | MIOA8531 | 6382 | MIOA8597 | 6438 | MIOA8670 |
| 6215 | MIOA8378 | 6271 | MIOA8462 | 6327 | MIOA8532 | 6383 | MIOA8598 | 6439 | MIOA8671 |
| 6216 | MIOA8380 | 6272 | MIOA8463 | 6328 | MIOA8533 | 6384 | MIOA8599 | 6440 | MIOA8672 |

Figure 6D – Continued

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|------|-----------|------|----------|------|----------|------|-----------|------|----------|
| 6441 | MIOA8674 | 6497 | MIOA8742 | 6553 | MIOA8809 | 6609 | MIOA8874 | 6665 | MIOA8943 |
| 6442 | MIOA8675 | 6498 | MIOA8743 | 6554 | MIOA8810 | 6610 | MIOA8875 | 6666 | MIOA8945 |
| 6443 | MIOA8676 | 6499 | MIOA8744 | 6555 | MIOA8811 | 6611 | MIOA8876 | 6667 | MIOA8946 |
| 6444 | MIOA8677 | 6500 | mioa8745 | 6556 | MIOA8812 | 6612 | MIOA8877 | 6668 | MIOA8947 |
| 6445 | MIOA8678 | 6501 | MIOA8746 | 6557 | MIOA8813 | 6613 | MIOA8878 | 6669 | MIOA8948 |
| 6446 | MIOA8679 | 6502 | MIOA8747 | 6558 | mioa8816 | 6614 | mioa8879 | 6670 | MIOA8949 |
| 6447 | mioa8681 | 6503 | MIOA8748 | 6559 | MIOA8817 | 6615 | MIOA8880 | 6671 | MIOA8950 |
| 6448 | MIOA8682 | 6504 | MIOA8749 | 6560 | MIOA8818 | 6616 | MIOA8881 | 6672 | MIOA8951 |
| 6449 | MIOA8683 | 6505 | mioa8750 | 6561 | MIOA8820 | 6617 | MIOA8882 | 6673 | MIOA8952 |
| 6450 | mioa8684 | 6506 | MIOA8751 | 6562 | mioa8821 | 6618 | MIOA8885 | 6674 | MIOA8953 |
| 6451 | MIOA8685 | 6507 | mioa8753 | 6563 | MIOA8822 | 6619 | MIOA8886 | 6675 | MIOA8954 |
| 6452 | MIOA8686 | 6508 | MIOA8754 | 6564 | MIOA8823 | 6620 | MIOA8887 | 6676 | MIOA8955 |
| 6453 | MIOA8687 | 6509 | MIOA8755 | 6565 | MIOA8824 | 6621 | MIOA8888 | 6677 | mioa8956 |
| 6454 | MIOA8691 | 6510 | MIOA8757 | 6566 | MIOA8825 | 6622 | MIOA8889 | 6678 | MIOA8957 |
| 6455 | MIOA8692 | 6511 | MIOA8758 | 6567 | MIOA8826 | 6623 | MIOA8890 | 6679 | MIOA8958 |
| 6456 | MIOA8693 | 6512 | MIOA8759 | 6568 | MIOA8827 | 6624 | MIOA8891 | 6680 | MIOA8959 |
| 6457 | MIOA8694 | 6513 | mioa8761 | 6569 | MIOA8828 | 6625 | MIOA8893 | 6681 | MIOA8960 |
| 6458 | MIOA8695 | 6514 | MIOA8762 | 6570 | MIOA8830 | 6626 | MIOA8894 | 6682 | MIOA8962 |
| 6459 | MIOA8696 | 6515 | MIOA8763 | 6571 | MIOA8831 | 6627 | MIOA8895 | 6683 | MIOA8963 |
| 6460 | MIOA8697 | 6516 | MIOA8764 | 6572 | MIOA8832 | 6628 | MIOA8897 | 6684 | MIOA8965 |
| 6461 | MIOA8700 | 6517 | MIOA8767 | 6573 | MIOA8833 | 6629 | MIOA8898 | 6685 | MIOA8966 |
| 6462 | MIOA8702 | 6518 | MIOA8768 | 6574 | MIOA8834 | 6630 | MIOA8899 | 6686 | MIOA8967 |
| 6463 | MIOA8703 | 6519 | MIOA8769 | 6575 | MIOA8835 | 6631 | MIOA8900 | 6687 | MIOA8968 |
| 6464 | MIOA8704 | 6520 | MIOA8770 | 6576 | MIOA8836 | 6632 | MIOA8901 | 6688 | MIOA8969 |
| 6465 | MIOA8705 | 6521 | MIOA8772 | 6577 | MIOA8837 | 6633 | MIOA8902 | 6689 | MIOA8970 |
| 6466 | mioa8707 | 6522 | MIOA8773 | 6578 | MIOA8839 | 6634 | MIOA8904 | 6690 | MIOA8971 |
| 6467 | MIOA8708 | 6523 | MIOA8774 | 6579 | MIOA8840 | 6635 | MIOA8905 | 6691 | mioa8972 |
| 6468 | MIOA8710 | 6524 | MIOA8775 | 6580 | mioa8841 | 6636 | MIOA8907 | 6692 | MIOA8973 |
| 6469 | MIOA8711 | 6525 | MIOA8776 | 6581 | MIOA8842 | 6637 | MIOA8908 | 6693 | MIOA8974 |
| 6470 | MIOA8712 | 6526 | mioa8777 | 6582 | mioa8843 | 6638 | MIOA8910 | 6694 | MIOA8975 |
| 6471 | MIOA8713 | 6527 | MIOA8778 | 6583 | MIOA8844 | 6639 | MIOA8911 | 6695 | MIOA8976 |
| 6472 | MIOA8714 | 6528 | MIOA8779 | 6584 | MIOA8845 | 6640 | MIOA8912 | 6696 | MIOA8977 |
| 6473 | MIOA8715 | 6529 | MIOA8780 | 6585 | mioa8846 | 6641 | MIOA8913 | 6697 | MIOA8978 |
| 6474 | MIOA8716 | 6530 | MIOA8781 | 6586 | mioa8848 | 6642 | MIOA8914 | 6698 | MIOA8979 |
| 6475 | MIOA8717 | 6531 | MIOA8782 | 6587 | mioa8849 | 6643 | mioa8915n | 6699 | MIOA8984 |
| 6476 | MIOA8718 | 6532 | MIOA8783 | 6588 | MIOA8850 | 6644 | MIOA8916 | 6700 | MIOA8985 |
| 6477 | MIOA8719 | 6533 | MIOA8785 | 6589 | MIOA8851 | 6645 | MIOA8917 | 6701 | MIOA8986 |
| 6478 | MIOA8720 | 6534 | MIOA8786 | 6590 | MIOA8852 | 6646 | MIOA8918 | 6702 | MIOA8987 |
| 6479 | MIOA8721 | 6535 | MIOA8787 | 6591 | MIOA8853 | 6647 | MIOA8919 | 6703 | MIOA8988 |
| 6480 | MIOA8723 | 6536 | MIOA8788 | 6592 | MIOA8854 | 6648 | MIOA8920 | 6704 | MIOA8990 |
| 6481 | MIOA8724 | 6537 | MIOA8789 | 6593 | MIOA8855 | 6649 | MIOA8921 | 6705 | MIOA8991 |
| 6482 | mioa8725 | 6538 | MIOA8790 | 6594 | MIOA8856 | 6650 | MIOA8922 | 6706 | MIOA8992 |
| 6483 | mioa8726 | 6539 | MIOA8793 | 6595 | MIOA8857 | 6651 | MIOA8925 | 6707 | MIOA8993 |
| 6484 | MIOA8727 | 6540 | MIOA8794 | 6596 | MIOA8858 | 6652 | MIOA8928 | 6708 | MIOA8995 |
| 6485 | MIOA8728 | 6541 | MIOA8795 | 6597 | MIOA8859 | 6653 | MIOA8929 | 6709 | MIOA8996 |
| 6486 | MIOA8729 | 6542 | MIOA8796 | 6598 | MIOA8860 | 6654 | MIOA8930 | 6710 | MIOA8997 |
| 6487 | MIOA8730 | 6543 | MIOA8797 | 6599 | MIOA8861 | 6655 | MIOA8931 | 6711 | MIOA8998 |
| 6488 | MIOA8732 | 6544 | MIOA8798 | 6600 | MIOA8862 | 6656 | MIOA8932 | 6712 | MIOA8999 |
| 6489 | MIOA8733 | 6545 | MIOA8799 | 6601 | MIOA8863 | 6657 | MIOA8933 | 6713 | MIOA9000 |
| 6490 | MIOA8734 | 6546 | MIOA8800 | 6602 | MIOA8864 | 6658 | MIOA8936 | 6714 | MIOA9001 |
| 6491 | MIOA8735 | 6547 | mioa8802 | 6603 | MIOA8865 | 6659 | MIOA8937 | 6715 | MIOA9002 |
| 6492 | mioa8736n | 6548 | MIOA8803 | 6604 | MIOA8866 | 6660 | MIOA8938 | 6716 | MIOA9004 |
| 6493 | mioa8737n | 6549 | MIOA8804 | 6605 | MIOA8869 | 6661 | MIOA8939 | 6717 | MIOA9005 |
| 6494 | MIOA8739 | 6550 | MIOA8805 | 6606 | MIOA8870 | 6662 | MIOA8940 | 6718 | MIOA9006 |
| 6495 | MIOA8740 | 6551 | MIOA8806 | 6607 | MIOA8872 | 6663 | MIOA8941 | 6719 | MIOA9007 |
| 6496 | MIOA8741 | 6552 | MIOA8808 | 6608 | MIOA8873 | 6664 | MIOA8942 | 6720 | MIOA9008 |

Figure 6D – Continued

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|------|----------|------|-----------|------|----------|------|-----------|------|-----------|
| 6721 | MIOA9009 | 6777 | MIOA9070 | 6833 | MIOA9136 | 6889 | mioa9203 | 6945 | mioa9279 |
| 6722 | MIOA9010 | 6778 | MIOA9071 | 6834 | MIOA9137 | 6890 | mioa9204 | 6946 | mioa9280 |
| 6723 | MIOA9011 | 6779 | mioa9072n | 6835 | MIOA9138 | 6891 | mioa9205 | 6947 | mioa9287 |
| 6724 | MIOA9012 | 6780 | MIOA9074 | 6836 | MIOA9139 | 6892 | mioa9206 | 6948 | mioa9288 |
| 6725 | MIOA9013 | 6781 | MIOA9075 | 6837 | MIOA9140 | 6893 | mioa9207 | 6949 | mioa9289 |
| 6726 | MIOA9014 | 6782 | MIOA9076 | 6838 | MIOA9141 | 6894 | mioa9208 | 6950 | mioa9291 |
| 6727 | MIOA9015 | 6783 | MIOA9078 | 6839 | MIOA9142 | 6895 | mioa9209 | 6951 | mioa9292 |
| 6728 | MIOA9016 | 6784 | MIOA9079 | 6840 | MIOA9143 | 6896 | mioa9210 | 6952 | mioa9294 |
| 6729 | MIOA9017 | 6785 | MIOA9080 | 6841 | MIOA9144 | 6897 | mioa9212 | 6953 | mioa9295 |
| 6730 | MIOA9018 | 6786 | MIOA9081 | 6842 | MIOA9145 | 6898 | mioa9213 | 6954 | mioa9296 |
| 6731 | MIOA9019 | 6787 | MIOA9083 | 6843 | MIOA9146 | 6899 | mioa9214 | 6955 | mioa9297 |
| 6732 | MIOA9020 | 6788 | MIOA9084 | 6844 | MIOA9147 | 6900 | mioa9215 | 6956 | mioa9298n |
| 6733 | MIOA9021 | 6789 | MIOA9086 | 6845 | MIOA9148 | 6901 | mioa9216 | 6957 | mioa9299 |
| 6734 | MIOA9022 | 6790 | MIOA9087 | 6846 | MIOA9150 | 6902 | mioa9223 | 6958 | mioa9300 |
| 6735 | mioa9023 | 6791 | MIOA9089 | 6847 | MIOA9151 | 6903 | mioa9224n | 6959 | mioa9302 |
| 6736 | MIOA9024 | 6792 | MIOA9090 | 6848 | MIOA9154 | 6904 | mioa9225 | 6960 | mioa9304 |
| 6737 | MIOA9025 | 6793 | MIOA9091 | 6849 | MIOA9157 | 6905 | mioa9226 | 6961 | mioa9306 |
| 6738 | MIOA9026 | 6794 | MIOA9092 | 6850 | MIOA9158 | 6906 | mioa9227 | 6962 | mioa9308 |
| 6739 | MIOA9027 | 6795 | MIOA9093 | 6851 | MIOA9159 | 6907 | mioa9228 | 6963 | mioa9309 |
| 6740 | MIOA9028 | 6796 | MIOA9095 | 6852 | MIOA9160 | 6908 | mioa9230 | 6964 | mioa9311 |
| 6741 | MIOA9029 | 6797 | MIOA9096 | 6853 | MIOA9161 | 6909 | mioa9231 | 6965 | mioa9312 |
| 6742 | MIOA9030 | 6798 | MIOA9097 | 6854 | MIOA9162 | 6910 | mioa9232 | 6966 | mioa9313 |
| 6743 | MIOA9031 | 6799 | MIOA9098 | 6855 | MIOA9163 | 6911 | mioa9234 | 6967 | mioa9314 |
| 6744 | MIOA9032 | 6800 | MIOA9099 | 6856 | MIOA9164 | 6912 | mioa9235 | 6968 | mioa9315 |
| 6745 | MIOA9033 | 6801 | MIOA9100 | 6857 | MIOA9165 | 6913 | mioa9236 | 6969 | mioa9316 |
| 6746 | MIOA9034 | 6802 | MIOA9102 | 6858 | MIOA9166 | 6914 | mioa9237 | 6970 | mioa9317 |
| 6747 | MIOA9035 | 6803 | MIOA9103 | 6859 | MIOA9167 | 6915 | mioa9238 | 6971 | mioa9318 |
| 6748 | MIOA9036 | 6804 | MIOA9104 | 6860 | MIOA9168 | 6916 | mioa9240 | 6972 | mioa9319 |
| 6749 | MIOA9037 | 6805 | MIOA9106 | 6861 | MIOA9169 | 6917 | mioa9241 | 6973 | mioa9320 |
| 6750 | MIOA9039 | 6806 | MIOA9107 | 6862 | MIOA9170 | 6918 | mioa9242 | 6974 | mioa9321 |
| 6751 | MIOA9040 | 6807 | MIOA9108 | 6863 | MIOA9171 | 6919 | mioa9243 | 6975 | mioa9322 |
| 6752 | MIOA9041 | 6808 | MIOA9109 | 6864 | MIOA9172 | 6920 | mioa9244 | 6976 | mioa9323 |
| 6753 | MIOA9042 | 6809 | MIOA9110 | 6865 | MIOA9173 | 6921 | mioa9245 | 6977 | mioa9324 |
| 6754 | MIOA9044 | 6810 | MIOA9111 | 6866 | MIOA9174 | 6922 | mioa9246 | 6978 | mioa9325 |
| 6755 | MIOA9045 | 6811 | MIOA9112 | 6867 | MIOA9175 | 6923 | mioa9249 | 6979 | mioa9326 |
| 6756 | MIOA9046 | 6812 | MIOA9113 | 6868 | MIOA9177 | 6924 | mioa9250 | 6980 | mioa9327 |
| 6757 | MIOA9048 | 6813 | MIOA9114 | 6869 | MIOA9178 | 6925 | mioa9251 | 6981 | mioa9328 |
| 6758 | MIOA9049 | 6814 | MIOA9115 | 6870 | MIOA9179 | 6926 | mioa9252 | 6982 | mioa9329 |
| 6759 | MIOA9050 | 6815 | MIOA9116 | 6871 | MIOA9180 | 6927 | mioa9254 | 6983 | mioa9330 |
| 6760 | MIOA9051 | 6816 | MIOA9117 | 6872 | MIOA9181 | 6928 | mioa9255 | 6984 | mioa9331 |
| 6761 | MIOA9052 | 6817 | MIOA9118 | 6873 | MIOA9184 | 6929 | mioa9256 | 6985 | mioa9333 |
| 6762 | MIOA9053 | 6818 | MIOA9119 | 6874 | mioa9185 | 6930 | mioa9258 | 6986 | mioa9334 |
| 6763 | MIOA9054 | 6819 | MIOA9120 | 6875 | mioa9187 | 6931 | mioa9259 | 6987 | mioa9335 |
| 6764 | MIOA9055 | 6820 | MIOA9121 | 6876 | mioa9188 | 6932 | mioa9260 | 6988 | mioa9336 |
| 6765 | MIOA9056 | 6821 | MIOA9122 | 6877 | mioa9189 | 6933 | mioa9261 | 6989 | mioa9337 |
| 6766 | MIOA9057 | 6822 | MIOA9124 | 6878 | mioa9190 | 6934 | mioa9262 | 6990 | mioa9338 |
| 6767 | mioa9058 | 6823 | MIOA9125 | 6879 | mioa9191 | 6935 | mioa9263 | 6991 | mioa9339 |
| 6768 | MIOA9060 | 6824 | MIOA9126 | 6880 | mioa9193 | 6936 | mioa9266 | 6992 | mioa9340 |
| 6769 | MIOA9061 | 6825 | MIOA9127 | 6881 | mioa9194 | 6937 | mioa9267 | 6993 | mioa9341 |
| 6770 | MIOA9062 | 6826 | MIOA9129 | 6882 | mioa9195 | 6938 | mioa9269 | 6994 | mioa9342 |
| 6771 | MIOA9063 | 6827 | MIOA9130 | 6883 | mioa9196 | 6939 | mioa9272 | 6995 | mioa9343 |
| 6772 | MIOA9064 | 6828 | MIOA9131 | 6884 | mioa9197 | 6940 | mioa9273 | 6996 | mioa9346 |
| 6773 | MIOA9065 | 6829 | MIOA9132 | 6885 | mioa9198 | 6941 | mioa9274 | 6997 | mioa9347 |
| 6774 | MIOA9066 | 6830 | MIOA9133 | 6886 | mioa9199 | 6942 | mioa9276 | 6998 | mioa9349 |
| 6775 | MIOA9067 | 6831 | MIOA9134 | 6887 | mioa9200 | 6943 | mioa9277 | 6999 | mioa9350 |
| 6776 | MIOA9068 | 6832 | MIOA9135 | 6888 | mioa9202 | 6944 | mioa9278 | 7000 | mioa9351 |

Figure 6D – Continued

| | | | | | | | | | |
|------|-----------|------|-----------|------|-----------|------|-----------|------|-----------|
| 7001 | mioa9352 | 7057 | mioa9426 | 7113 | mioa9506 | 7169 | mioa9575 | 7225 | mioa9650 |
| 7002 | mioa9353 | 7058 | mioa9429 | 7114 | mioa9507 | 7170 | mioa9576 | 7226 | mioa9651 |
| 7003 | mioa9354 | 7059 | mioa9430 | 7115 | mioa9508 | 7171 | mioa9577 | 7227 | mioa9653 |
| 7004 | mioa9355 | 7060 | mioa9431 | 7116 | mioa9509 | 7172 | mioa9578 | 7228 | mioa9654 |
| 7005 | mioa9356 | 7061 | mioa9432 | 7117 | mioa9510 | 7173 | mioa9579 | 7229 | mioa9655 |
| 7006 | mioa9357 | 7062 | mioa9434 | 7118 | mioa9511 | 7174 | mioa9580 | 7230 | mioa9657 |
| 7007 | mioa9358 | 7063 | mioa9436 | 7119 | mioa9512n | 7175 | mioa9581 | 7231 | mioa9658 |
| 7008 | mioa9359 | 7064 | mioa9438 | 7120 | mioa9513 | 7176 | mioa9582 | 7232 | mioa9659n |
| 7009 | mioa9360 | 7065 | mioa9439 | 7121 | mioa9515 | 7177 | mioa9583 | 7233 | mioa9661 |
| 7010 | mioa9361 | 7066 | mioa9441 | 7122 | mioa9516 | 7178 | mioa9584 | 7234 | mioa9662 |
| 7011 | mioa9362 | 7067 | mioa9442 | 7123 | mioa9517n | 7179 | mioa9586 | 7235 | mioa9663 |
| 7012 | mioa9363 | 7068 | mioa9443 | 7124 | mioa9518 | 7180 | mioa9587 | 7236 | mioa9664 |
| 7013 | mioa9364 | 7069 | mioa9445 | 7125 | mioa9519 | 7181 | mioa9588 | 7237 | mioa9665 |
| 7014 | mioa9365 | 7070 | mioa9446 | 7126 | mioa9521 | 7182 | mioa9590 | 7238 | mioa9666 |
| 7015 | mioa9366 | 7071 | mioa9447 | 7127 | mioa9522 | 7183 | mioa9591 | 7239 | mioa9667 |
| 7016 | mioa9367 | 7072 | mioa9448 | 7128 | mioa9523 | 7184 | mioa9592 | 7240 | mioa9668 |
| 7017 | mioa9368 | 7073 | mioa9452 | 7129 | mioa9524 | 7185 | mioa9594 | 7241 | mioa9669 |
| 7018 | mioa9369 | 7074 | mioa9453 | 7130 | mioa9525 | 7186 | mioa9597 | 7242 | mioa9670 |
| 7019 | mioa9370 | 7075 | mioa9454 | 7131 | mioa9526 | 7187 | mioa9599 | 7243 | mioa9672 |
| 7020 | mioa9371 | 7076 | mioa9456 | 7132 | mioa9527 | 7188 | mioa9600 | 7244 | mioa9674 |
| 7021 | mioa9372 | 7077 | mioa9459 | 7133 | mioa9529 | 7189 | mioa9601 | 7245 | mioa9675 |
| 7022 | mioa9373 | 7078 | mioa9460 | 7134 | mioa9530 | 7190 | mioa9604 | 7246 | mioa9676 |
| 7023 | mioa9374 | 7079 | mioa9462 | 7135 | mioa9531 | 7191 | mioa9607 | 7247 | mioa9677 |
| 7024 | mioa9375 | 7080 | mioa9463 | 7136 | mioa9532 | 7192 | mioa9608 | 7248 | mioa9679 |
| 7025 | mioa9376 | 7081 | mioa9464 | 7137 | mioa9533 | 7193 | mioa9610 | 7249 | mioa9680 |
| 7026 | mioa9380 | 7082 | mioa9465 | 7138 | mioa9534 | 7194 | mioa9611 | 7250 | mioa9681 |
| 7027 | mioa9381 | 7083 | mioa9466 | 7139 | mioa9535 | 7195 | mioa9612 | 7251 | mioa9682 |
| 7028 | mioa9383 | 7084 | mioa9467 | 7140 | mioa9537 | 7196 | mioa9614 | 7252 | mioa9683 |
| 7029 | mioa9386 | 7085 | mioa9469 | 7141 | mioa9539 | 7197 | mioa9615 | 7253 | mioa9684 |
| 7030 | mioa9388 | 7086 | mioa9470 | 7142 | mioa9540 | 7198 | mioa9616 | 7254 | mioa9685 |
| 7031 | mioa9389 | 7087 | mioa9472 | 7143 | mioa9541 | 7199 | mioa9617n | 7255 | mioa9686 |
| 7032 | mioa9391n | 7088 | mioa9473 | 7144 | mioa9542 | 7200 | mioa9618 | 7256 | mioa9687 |
| 7033 | mioa9395 | 7089 | mioa9474 | 7145 | mioa9543 | 7201 | mioa9619 | 7257 | mioa9688 |
| 7034 | mioa9396 | 7090 | mioa9476 | 7146 | mioa9545 | 7202 | mioa9620 | 7258 | mioa9690 |
| 7035 | mioa9398 | 7091 | mioa9477n | 7147 | mioa9546 | 7203 | mioa9621 | 7259 | mioa9692n |
| 7036 | mioa9401 | 7092 | mioa9478 | 7148 | mioa9547 | 7204 | mioa9622 | 7260 | mioa9693 |
| 7037 | mioa9402 | 7093 | mioa9479 | 7149 | mioa9548 | 7205 | mioa9623 | 7261 | mioa9694 |
| 7038 | mioa9403 | 7094 | mioa9483 | 7150 | mioa9549 | 7206 | mioa9624 | 7262 | mioa9695 |
| 7039 | mioa9404 | 7095 | mioa9484 | 7151 | mioa9550 | 7207 | mioa9625 | 7263 | mioa9696 |
| 7040 | mioa9405 | 7096 | mioa9486 | 7152 | mioa9551 | 7208 | mioa9626 | 7264 | mioa9697 |
| 7041 | mioa9406 | 7097 | mioa9487 | 7153 | mioa9553 | 7209 | mioa9627 | 7265 | mioa9699 |
| 7042 | mioa9407 | 7098 | mioa9489 | 7154 | mioa9554 | 7210 | mioa9628 | 7266 | mioa9700 |
| 7043 | mioa9408 | 7099 | mioa9490 | 7155 | mioa9555 | 7211 | mioa9629 | 7267 | mioa9701 |
| 7044 | mioa9412 | 7100 | mioa9491 | 7156 | mioa9556 | 7212 | mioa9630 | 7268 | mioa9704 |
| 7045 | mioa9413 | 7101 | mioa9492 | 7157 | mioa9557 | 7213 | mioa9632 | 7269 | mioa9705 |
| 7046 | mioa9414 | 7102 | mioa9493 | 7158 | mioa9558 | 7214 | mioa9633 | 7270 | mioa9706 |
| 7047 | mioa9415 | 7103 | mioa9494 | 7159 | mioa9559 | 7215 | mioa9634 | 7271 | mioa9707 |
| 7048 | mioa9416 | 7104 | mioa9495 | 7160 | mioa9562 | 7216 | mioa9636 | 7272 | mioa9709 |
| 7049 | mioa9417 | 7105 | mioa9497 | 7161 | mioa9563 | 7217 | mioa9640 | 7273 | mioa9710 |
| 7050 | mioa9418 | 7106 | mioa9498 | 7162 | mioa9564 | 7218 | mioa9641 | 7274 | mioa9711 |
| 7051 | mioa9419 | 7107 | mioa9499n | 7163 | mioa9565 | 7219 | mioa9643 | 7275 | mioa9712 |
| 7052 | mioa9420 | 7108 | mioa9500 | 7164 | mioa9567 | 7220 | mioa9645 | 7276 | mioa9714 |
| 7053 | mioa9421 | 7109 | mioa9501 | 7165 | mioa9570 | 7221 | mioa9646 | 7277 | mioa9715 |
| 7054 | mioa9422 | 7110 | mioa9502 | 7166 | mioa9571 | 7222 | mioa9647 | 7278 | mioa9716 |
| 7055 | mioa9423 | 7111 | mioa9503 | 7167 | mioa9572 | 7223 | mioa9648 | 7279 | mioa9717 |
| 7056 | mioa9425 | 7112 | mioa9505 | 7168 | mioa9574 | 7224 | mioa9649 | 7280 | mioa9718 |

Figure 6D – Continued

| | | | | | | | | | |
|------|----------|------|----------|------|----------|------|-----------|------|-----------|
| 7281 | mioa9719 | 7337 | mioa9793 | 7393 | mioa9861 | 7449 | mioa9931 | 7505 | mioa9995 |
| 7282 | mioa9721 | 7338 | mioa9794 | 7394 | mioa9864 | 7450 | mioa9932 | 7506 | mioa9996 |
| 7283 | mioa9722 | 7339 | mioa9795 | 7395 | mioa9865 | 7451 | mioa9933 | 7507 | mioa9997 |
| 7284 | mioa9725 | 7340 | mioa9796 | 7396 | mioa9868 | 7452 | mioa9934 | 7508 | mioa9998 |
| 7285 | mioa9726 | 7341 | mioa9797 | 7397 | mioa9869 | 7453 | mioa9935 | 7509 | miob0001 |
| 7286 | mioa9728 | 7342 | mioa9798 | 7398 | mioa9870 | 7454 | mioa9936 | 7510 | miob0002 |
| 7287 | mioa9729 | 7343 | mioa9799 | 7399 | mioa9871 | 7455 | mioa9937 | 7511 | miob0004n |
| 7288 | mioa9730 | 7344 | mioa9801 | 7400 | mioa9872 | 7456 | mioa9938 | 7512 | miob0005 |
| 7289 | mioa9731 | 7345 | mioa9802 | 7401 | mioa9873 | 7457 | mioa9939 | 7513 | miob0008 |
| 7290 | mioa9732 | 7346 | mioa9803 | 7402 | mioa9874 | 7458 | mioa9940 | 7514 | miob0009 |
| 7291 | mioa9734 | 7347 | mioa9804 | 7403 | mioa9875 | 7459 | mioa9941 | 7515 | miob0010 |
| 7292 | mioa9735 | 7348 | mioa9805 | 7404 | mioa9876 | 7460 | mioa9942 | 7516 | miob0014n |
| 7293 | mioa9737 | 7349 | mioa9806 | 7405 | mioa9877 | 7461 | mioa9943 | 7517 | miob0016 |
| 7294 | mioa9738 | 7350 | mioa9807 | 7406 | mioa9878 | 7462 | mioa9945 | 7518 | miob0018 |
| 7295 | mioa9739 | 7351 | mioa9808 | 7407 | mioa9880 | 7463 | mioa9946 | 7519 | miob0019n |
| 7296 | mioa9740 | 7352 | mioa9809 | 7408 | mioa9882 | 7464 | mioa9948 | 7520 | miob0022 |
| 7297 | mioa9741 | 7353 | mioa9810 | 7409 | mioa9883 | 7465 | mioa9949 | 7521 | miob0023 |
| 7298 | mioa9742 | 7354 | mioa9811 | 7410 | mioa9884 | 7466 | mioa9950 | 7522 | miob0024 |
| 7299 | mioa9743 | 7355 | mioa9812 | 7411 | mioa9885 | 7467 | mioa9951 | 7523 | miob0025 |
| 7300 | mioa9745 | 7356 | mioa9813 | 7412 | mioa9886 | 7468 | mioa9952 | 7524 | miob0031n |
| 7301 | mioa9747 | 7357 | mioa9814 | 7413 | mioa9887 | 7469 | mioa9953 | 7525 | miob0036 |
| 7302 | mioa9748 | 7358 | mioa9816 | 7414 | mioa9888 | 7470 | mioa9954 | 7526 | miob0038 |
| 7303 | mioa9749 | 7359 | mioa9817 | 7415 | mioa9889 | 7471 | mioa9955 | 7527 | miob0039 |
| 7304 | mioa9750 | 7360 | mioa9818 | 7416 | mioa9890 | 7472 | mioa9958 | 7528 | miob0042 |
| 7305 | mioa9751 | 7361 | mioa9820 | 7417 | mioa9891 | 7473 | mioa9960 | 7529 | miob0043 |
| 7306 | mioa9754 | 7362 | mioa9821 | 7418 | mioa9892 | 7474 | mioa9961 | 7530 | miob0044 |
| 7307 | mioa9755 | 7363 | mioa9822 | 7419 | mioa9893 | 7475 | mioa9962 | 7531 | miob0045 |
| 7308 | mioa9756 | 7364 | mioa9823 | 7420 | mioa9894 | 7476 | mioa9963 | 7532 | miob0046 |
| 7309 | mioa9757 | 7365 | mioa9824 | 7421 | mioa9895 | 7477 | mioa9964 | 7533 | miob0047 |
| 7310 | mioa9758 | 7366 | mioa9825 | 7422 | mioa9896 | 7478 | mioa9966 | 7534 | miob0048 |
| 7311 | mioa9760 | 7367 | mioa9827 | 7423 | mioa9897 | 7479 | mioa9967 | 7535 | miob0050 |
| 7312 | mioa9761 | 7368 | mioa9828 | 7424 | mioa9899 | 7480 | mioa9968 | 7536 | miob0051n |
| 7313 | mioa9762 | 7369 | mioa9829 | 7425 | mioa9900 | 7481 | mioa9969 | 7537 | miob0054 |
| 7314 | mioa9765 | 7370 | mioa9831 | 7426 | mioa9901 | 7482 | mioa9971 | 7538 | miob0055 |
| 7315 | mioa9766 | 7371 | mioa9832 | 7427 | mioa9902 | 7483 | mioa9972 | 7539 | miob0056 |
| 7316 | mioa9767 | 7372 | mioa9836 | 7428 | mioa9903 | 7484 | mioa9974n | 7540 | miob0057 |
| 7317 | mioa9768 | 7373 | mioa9838 | 7429 | mioa9905 | 7485 | mioa9975n | 7541 | miob0060 |
| 7318 | mioa9771 | 7374 | mioa9839 | 7430 | mioa9906 | 7486 | mioa9976 | 7542 | miob0062 |
| 7319 | mioa9772 | 7375 | mioa9840 | 7431 | mioa9907 | 7487 | mioa9977 | 7543 | miob0063 |
| 7320 | mioa9773 | 7376 | mioa9841 | 7432 | mioa9908 | 7488 | mioa9978 | 7544 | miob0065 |
| 7321 | mioa9775 | 7377 | mioa9842 | 7433 | mioa9909 | 7489 | mioa9979 | 7545 | miob0066 |
| 7322 | mioa9776 | 7378 | mioa9843 | 7434 | mioa9910 | 7490 | mioa9980 | 7546 | miob0068 |
| 7323 | mioa9777 | 7379 | mioa9844 | 7435 | mioa9911 | 7491 | mioa9981 | 7547 | miob0071 |
| 7324 | mioa9778 | 7380 | mioa9845 | 7436 | mioa9913 | 7492 | mioa9982 | 7548 | miob0072 |
| 7325 | mioa9780 | 7381 | mioa9847 | 7437 | mioa9914 | 7493 | mioa9983 | 7549 | miob0073 |
| 7326 | mioa9781 | 7382 | mioa9849 | 7438 | mioa9916 | 7494 | mioa9984 | 7550 | miob0074n |
| 7327 | mioa9783 | 7383 | mioa9850 | 7439 | mioa9918 | 7495 | mioa9985 | 7551 | miob0075 |
| 7328 | mioa9784 | 7384 | mioa9852 | 7440 | mioa9919 | 7496 | mioa9986n | 7552 | miob0076 |
| 7329 | mioa9785 | 7385 | mioa9853 | 7441 | mioa9920 | 7497 | mioa9987 | 7553 | miob0078 |
| 7330 | mioa9786 | 7386 | mioa9854 | 7442 | mioa9921 | 7498 | mioa9988 | 7554 | miob0080 |
| 7331 | mioa9787 | 7387 | mioa9855 | 7443 | mioa9924 | 7499 | mioa9989 | 7555 | miob0082 |
| 7332 | mioa9788 | 7388 | mioa9856 | 7444 | mioa9925 | 7500 | mioa9990 | 7556 | miob0084 |
| 7333 | mioa9789 | 7389 | mioa9857 | 7445 | mioa9926 | 7501 | mioa9991n | 7557 | miob0087 |
| 7334 | mioa9790 | 7390 | mioa9858 | 7446 | mioa9927 | 7502 | mioa9992 | 7558 | miob0088 |
| 7335 | mioa9791 | 7391 | mioa9859 | 7447 | mioa9929 | 7503 | mioa9993n | 7559 | miob0089 |
| 7336 | mioa9792 | 7392 | mioa9860 | 7448 | mioa9930 | 7504 | mioa9994 | 7560 | miob0090 |

Figure 6D -- Continued

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|------|-----------|------|-----------|------|-----------|------|-----------|------|-----------|
| 7561 | miob0091 | 7617 | miob0180 | 7673 | miob0256 | 7729 | miob0348 | 7785 | miob0420 |
| 7562 | miob0093 | 7618 | miob0181 | 7674 | miob0258 | 7730 | miob0349 | 7786 | miob0421 |
| 7563 | miob0100 | 7619 | miob0182 | 7675 | miob0260 | 7731 | miob0350 | 7787 | miob0422 |
| 7564 | miob0102n | 7620 | miob0184 | 7676 | miob0263 | 7732 | miob0351 | 7788 | miob0423 |
| 7565 | miob0106 | 7621 | miob0185 | 7677 | miob0264 | 7733 | miob0353 | 7789 | miob0425 |
| 7566 | miob0107 | 7622 | miob0186 | 7678 | miob0266 | 7734 | miob0354 | 7790 | miob0426 |
| 7567 | miob0108 | 7623 | miob0187 | 7679 | miob0267 | 7735 | miob0356 | 7791 | miob0427 |
| 7568 | miob0109 | 7624 | miob0188 | 7680 | miob0268 | 7736 | miob0357 | 7792 | miob0428 |
| 7569 | miob0110n | 7625 | miob0189 | 7681 | miob0269 | 7737 | miob0358 | 7793 | miob0429 |
| 7570 | miob0111 | 7626 | miob0191 | 7682 | miob0270 | 7738 | miob0359 | 7794 | miob0430 |
| 7571 | miob0112 | 7627 | miob0193 | 7683 | miob0271 | 7739 | miob0360 | 7795 | miob0431 |
| 7572 | miob0113 | 7628 | miob0194 | 7684 | miob0272n | 7740 | miob0361 | 7796 | miob0432 |
| 7573 | miob0114n | 7629 | miob0195 | 7685 | miob0273 | 7741 | miob0362 | 7797 | miob0433 |
| 7574 | miob0115 | 7630 | miob0196 | 7686 | miob0275 | 7742 | miob0363 | 7798 | miob0434 |
| 7575 | miob0117 | 7631 | miob0197 | 7687 | miob0276 | 7743 | miob0364 | 7799 | miob0435 |
| 7576 | miob0119 | 7632 | miob0198 | 7688 | miob0277 | 7744 | miob0365 | 7800 | miob0436 |
| 7577 | miob0120 | 7633 | miob0199 | 7689 | miob0278 | 7745 | miob0366 | 7801 | miob0439 |
| 7578 | miob0126 | 7634 | miob0201 | 7690 | miob0279 | 7746 | miob0367 | 7802 | miob0440 |
| 7579 | miob0129 | 7635 | miob0202 | 7691 | miob0280n | 7747 | miob0368 | 7803 | miob0441 |
| 7580 | miob0130n | 7636 | miob0204 | 7692 | miob0281 | 7748 | miob0369 | 7804 | miob0442 |
| 7581 | miob0132 | 7637 | miob0206 | 7693 | miob0287 | 7749 | miob0370 | 7805 | miob0443 |
| 7582 | miob0135 | 7638 | miob0207 | 7694 | miob0288 | 7750 | miob0371 | 7806 | miob0444 |
| 7583 | miob0137 | 7639 | miob0208 | 7695 | miob0293 | 7751 | miob0372n | 7807 | miob0445 |
| 7584 | miob0139 | 7640 | miob0209 | 7696 | miob0298 | 7752 | miob0373 | 7808 | miob0446 |
| 7585 | miob0140 | 7641 | miob0210 | 7697 | miob0299 | 7753 | miob0375 | 7809 | miob0447 |
| 7586 | miob0141 | 7642 | miob0212 | 7698 | miob0300 | 7754 | miob0376 | 7810 | miob0448 |
| 7587 | miob0143 | 7643 | miob0213 | 7699 | miob0301 | 7755 | miob0377 | 7811 | miob0449 |
| 7588 | miob0144 | 7644 | miob0214 | 7700 | miob0304 | 7756 | miob0378 | 7812 | miob0450 |
| 7589 | miob0147 | 7645 | miob0215 | 7701 | miob0305 | 7757 | miob0379 | 7813 | miob0451 |
| 7590 | miob0149 | 7646 | miob0218 | 7702 | miob0307 | 7758 | miob0380 | 7814 | miob0452 |
| 7591 | miob0150 | 7647 | miob0219 | 7703 | miob0308 | 7759 | miob0381n | 7815 | miob0453 |
| 7592 | miob0151 | 7648 | miob0220 | 7704 | miob0310 | 7760 | miob0382 | 7816 | miob0454 |
| 7593 | miob0153 | 7649 | miob0222 | 7705 | miob0311 | 7761 | miob0384 | 7817 | miob0455 |
| 7594 | miob0154 | 7650 | miob0225 | 7706 | miob0313 | 7762 | miob0385 | 7818 | miob0456 |
| 7595 | miob0155 | 7651 | miob0229 | 7707 | miob0316 | 7763 | miob0387n | 7819 | miob0457 |
| 7596 | miob0156 | 7652 | miob0230 | 7708 | miob0318 | 7764 | miob0390 | 7820 | miob0465 |
| 7597 | miob0157 | 7653 | miob0231 | 7709 | miob0319 | 7765 | miob0392 | 7821 | miob0466 |
| 7598 | miob0158 | 7654 | miob0232 | 7710 | miob0320 | 7766 | miob0393 | 7822 | miob0467n |
| 7599 | miob0159 | 7655 | miob0233 | 7711 | miob0321 | 7767 | miob0395 | 7823 | miob0468 |
| 7600 | miob0163 | 7656 | miob0234 | 7712 | miob0323 | 7768 | miob0399 | 7824 | miob0469 |
| 7601 | miob0164 | 7657 | miob0235 | 7713 | miob0324 | 7769 | miob0400 | 7825 | miob0472 |
| 7602 | miob0165 | 7658 | miob0236 | 7714 | miob0325 | 7770 | miob0403 | 7826 | miob0473 |
| 7603 | miob0166 | 7659 | miob0237n | 7715 | miob0326 | 7771 | miob0404 | 7827 | miob0474 |
| 7604 | miob0167 | 7660 | miob0238 | 7716 | miob0327 | 7772 | miob0405 | 7828 | miob0482 |
| 7605 | miob0168 | 7661 | miob0239 | 7717 | miob0328 | 7773 | miob0406 | 7829 | miob0483 |
| 7606 | miob0169 | 7662 | miob0240 | 7718 | miob0329 | 7774 | miob0407 | 7830 | miob0487 |
| 7607 | miob0170 | 7663 | miob0241 | 7719 | miob0330 | 7775 | miob0409 | 7831 | miob0490 |
| 7608 | miob0171 | 7664 | miob0242 | 7720 | miob0331 | 7776 | miob0410 | 7832 | miob0491 |
| 7609 | miob0172 | 7665 | miob0243 | 7721 | miob0332 | 7777 | miob0411 | 7833 | miob0492 |
| 7610 | miob0173 | 7666 | miob0244 | 7722 | miob0336 | 7778 | miob0412 | 7834 | miob0493 |
| 7611 | miob0174 | 7667 | miob0245 | 7723 | miob0337 | 7779 | miob0413 | 7835 | miob0496 |
| 7612 | miob0175 | 7668 | miob0246 | 7724 | miob0338 | 7780 | miob0415 | 7836 | miob0497 |
| 7613 | miob0176 | 7669 | miob0248 | 7725 | miob0341 | 7781 | miob0416 | 7837 | miob0498 |
| 7614 | miob0177 | 7670 | miob0252 | 7726 | miob0343 | 7782 | miob0417 | 7838 | miob0500n |
| 7615 | miob0178 | 7671 | miob0253 | 7727 | miob0346 | 7783 | miob0418 | 7839 | miob0502 |
| 7616 | miob0179 | 7672 | miob0255 | 7728 | miob0347 | 7784 | miob0419 | 7840 | miob0507 |

Figure 6D – Continued

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|------|-----------|------|-----------|------|-----------|------|-----------|------|-----------|
| 7841 | miob0508 | 7897 | miob0634 | 7953 | miob0699 | 8009 | miob0762 | 8065 | miob0825 |
| 7842 | miob0510 | 7898 | miob0635 | 7954 | miob0700 | 8010 | miob0763 | 8066 | miob0826 |
| 7843 | miob0515 | 7899 | miob0636 | 7955 | miob0701n | 8011 | miob0764 | 8067 | miob0827 |
| 7844 | miob0519 | 7900 | miob0637 | 7956 | miob0703 | 8012 | miob0765 | 8068 | miob0828 |
| 7845 | miob0520 | 7901 | miob0638 | 7957 | miob0704 | 8013 | miob0766 | 8069 | miob0829 |
| 7846 | miob0522 | 7902 | miob0642 | 7958 | miob0705 | 8014 | miob0767 | 8070 | miob0830 |
| 7847 | miob0523 | 7903 | miob0644 | 7959 | miob0706 | 8015 | miob0768 | 8071 | miob0831 |
| 7848 | miob0524 | 7904 | miob0645 | 7960 | miob0707 | 8016 | miob0769 | 8072 | miob0832 |
| 7849 | miob0528 | 7905 | miob0646 | 7961 | miob0708 | 8017 | miob0770 | 8073 | miob0833 |
| 7850 | MIOB0535 | 7906 | miob0647 | 7962 | miob0709 | 8018 | miob0772 | 8074 | miob0834 |
| 7851 | MIOB0536 | 7907 | miob0648 | 7963 | miob0710 | 8019 | miob0773 | 8075 | miob0835n |
| 7852 | MIOB0537 | 7908 | miob0649 | 7964 | miob0711 | 8020 | miob0774 | 8076 | miob0836 |
| 7853 | MIOB0538 | 7909 | miob0650 | 7965 | miob0712 | 8021 | miob0775 | 8077 | miob0837 |
| 7854 | MIOB0541 | 7910 | miob0651 | 7966 | miob0713 | 8022 | miob0776 | 8078 | miob0838 |
| 7855 | MIOB0542 | 7911 | miob0652 | 7967 | miob0714 | 8023 | miob0777 | 8079 | miob0839 |
| 7856 | MIOB0544 | 7912 | miob0653 | 7968 | miob0715 | 8024 | miob0778 | 8080 | miob0840 |
| 7857 | MIOB0545 | 7913 | miob0654 | 7969 | miob0716 | 8025 | miob0779 | 8081 | miob0841 |
| 7858 | miob0547n | 7914 | miob0656 | 7970 | miob0717 | 8026 | miob0780 | 8082 | miob0842 |
| 7859 | MIOB0549 | 7915 | miob0657 | 7971 | miob0718 | 8027 | miob0781 | 8083 | miob0843 |
| 7860 | MIOB0550 | 7916 | miob0658 | 7972 | miob0719 | 8028 | miob0782 | 8084 | miob0845 |
| 7861 | MIOB0552 | 7917 | miob0660 | 7973 | miob0720 | 8029 | miob0783 | 8085 | miob0846 |
| 7862 | MIOB0554 | 7918 | miob0661 | 7974 | miob0721 | 8030 | miob0784 | 8086 | miob0848n |
| 7863 | MIOB0556 | 7919 | miob0662 | 7975 | miob0722 | 8031 | miob0785 | 8087 | miob0850 |
| 7864 | MIOB0557 | 7920 | miob0663 | 7976 | miob0723 | 8032 | miob0786 | 8088 | miob0851 |
| 7865 | MIOB0559 | 7921 | miob0665 | 7977 | miob0724 | 8033 | miob0787 | 8089 | miob0852 |
| 7866 | MIOB0561 | 7922 | miob0667 | 7978 | miob0725 | 8034 | miob0788 | 8090 | miob0853 |
| 7867 | MIOB0564 | 7923 | miob0668 | 7979 | miob0726 | 8035 | miob0789 | 8091 | miob0854 |
| 7868 | miob0565n | 7924 | miob0669 | 7980 | miob0727 | 8036 | miob0791 | 8092 | miob0855 |
| 7869 | miob0566n | 7925 | miob0670 | 7981 | miob0728 | 8037 | miob0792 | 8093 | miob0856 |
| 7870 | MIOB0567 | 7926 | miob0671 | 7982 | miob0729 | 8038 | miob0793 | 8094 | miob0857 |
| 7871 | miob0568 | 7927 | miob0672 | 7983 | miob0731 | 8039 | miob0794 | 8095 | miob0858 |
| 7872 | MIOB0569 | 7928 | miob0673 | 7984 | miob0733 | 8040 | miob0795 | 8096 | miob0860 |
| 7873 | MIOB0572 | 7929 | miob0674 | 7985 | miob0734 | 8041 | miob0796 | 8097 | miob0861 |
| 7874 | MIOB0573 | 7930 | miob0675 | 7986 | miob0735n | 8042 | miob0797 | 8098 | miob0862 |
| 7875 | MIOB0574 | 7931 | miob0676 | 7987 | miob0736 | 8043 | miob0798n | 8099 | miob0863 |
| 7876 | miob0578 | 7932 | miob0677 | 7988 | miob0739 | 8044 | miob0799 | 8100 | miob0865 |
| 7877 | miob0579 | 7933 | miob0678 | 7989 | miob0741 | 8045 | miob0801 | 8101 | miob0866 |
| 7878 | miob0581 | 7934 | miob0680 | 7990 | miob0742 | 8046 | miob0803 | 8102 | miob0867 |
| 7879 | miob0582n | 7935 | miob0681 | 7991 | miob0743 | 8047 | miob0804 | 8103 | miob0868 |
| 7880 | miob0586 | 7936 | miob0682 | 7992 | miob0744 | 8048 | miob0805 | 8104 | miob0869 |
| 7881 | miob0588 | 7937 | miob0683 | 7993 | miob0745 | 8049 | miob0806 | 8105 | miob0870 |
| 7882 | miob0589 | 7938 | miob0684 | 7994 | miob0746 | 8050 | miob0807 | 8106 | miob0873 |
| 7883 | miob0590 | 7939 | miob0685 | 7995 | miob0747 | 8051 | miob0808 | 8107 | miob0874 |
| 7884 | miob0593 | 7940 | miob0686 | 7996 | miob0748 | 8052 | miob0809 | 8108 | miob0875 |
| 7885 | miob0596 | 7941 | miob0687n | 7997 | miob0749 | 8053 | miob0811 | 8109 | miob0876 |
| 7886 | miob0597 | 7942 | miob0688 | 7998 | miob0750 | 8054 | miob0812 | 8110 | miob0877 |
| 7887 | miob0598 | 7943 | miob0689 | 7999 | miob0751 | 8055 | miob0814 | 8111 | miob0879 |
| 7888 | miob0600 | 7944 | miob0690 | 8000 | miob0752 | 8056 | miob0815 | 8112 | miob0880 |
| 7889 | miob0601 | 7945 | miob0691 | 8001 | miob0753 | 8057 | miob0816 | 8113 | miob0881 |
| 7890 | miob0620 | 7946 | miob0692 | 8002 | miob0755 | 8058 | miob0817 | 8114 | miob0883 |
| 7891 | miob0625 | 7947 | miob0693 | 8003 | miob0756 | 8059 | miob0818 | 8115 | miob0884 |
| 7892 | miob0627 | 7948 | miob0694 | 8004 | miob0757 | 8060 | miob0819 | 8116 | miob0886 |
| 7893 | miob0628 | 7949 | miob0695 | 8005 | miob0758 | 8061 | miob0820 | 8117 | miob0888 |
| 7894 | miob0629 | 7950 | miob0696 | 8006 | miob0759 | 8062 | miob0821 | 8118 | miob0889 |
| 7895 | miob0630 | 7951 | miob0697 | 8007 | miob0760 | 8063 | miob0822 | 8119 | miob0890 |
| 7896 | miob0633 | 7952 | miob0698 | 8008 | miob0761 | 8064 | miob0824 | 8120 | miob0891 |

Figure 5D – Continued

| | | | | | | | | | |
|------|-----------|------|-----------|------|-----------|------|-----------|------|-----------|
| 8121 | miob0892 | 8177 | miob0953 | 8233 | miob1017 | 8289 | miob1090 | 8345 | miob1151 |
| 8122 | miob0893 | 8178 | miob0954 | 8234 | miob1018 | 8290 | miob1091 | 8346 | miob1152 |
| 8123 | miob0897 | 8179 | miob0955 | 8235 | miob1019 | 8291 | miob1092 | 8347 | miob1153n |
| 8124 | miob0898 | 8180 | miob0956 | 8236 | miob1020 | 8292 | miob1093 | 8348 | miob1154 |
| 8125 | miob0899 | 8181 | miob0959 | 8237 | miob1021 | 8293 | miob1094 | 8349 | miob1155 |
| 8126 | miob0900 | 8182 | miob0960 | 8238 | miob1022 | 8294 | miob1095 | 8350 | miob1156 |
| 8127 | miob0901 | 8183 | miob0962 | 8239 | miob1023 | 8295 | miob1096 | 8351 | miob1157 |
| 8128 | miob0902 | 8184 | miob0963 | 8240 | miob1025n | 8296 | miob1097n | 8352 | miob1158 |
| 8129 | miob0903 | 8185 | miob0964 | 8241 | miob1026 | 8297 | miob1098 | 8353 | miob1159 |
| 8130 | miob0904 | 8186 | miob0965 | 8242 | miob1027 | 8298 | miob1099 | 8354 | miob1160 |
| 8131 | miob0905 | 8187 | miob0967 | 8243 | miob1029 | 8299 | miob1100 | 8355 | miob1161 |
| 8132 | miob0906 | 8188 | miob0968 | 8244 | miob1030 | 8300 | miob1101 | 8356 | miob1165 |
| 8133 | miob0907 | 8189 | miob0969 | 8245 | miob1031 | 8301 | miob1102 | 8357 | miob1168 |
| 8134 | miob0908 | 8190 | miob0971 | 8246 | miob1032 | 8302 | miob1103 | 8358 | miob1171 |
| 8135 | miob0909 | 8191 | miob0972 | 8247 | miob1033 | 8303 | miob1104 | 8359 | miob1172 |
| 8136 | miob0910 | 8192 | miob0973 | 8248 | miob1034 | 8304 | miob1105 | 8360 | miob1177 |
| 8137 | miob0911 | 8193 | miob0974 | 8249 | miob1035 | 8305 | miob1106 | 8361 | miob1178 |
| 8138 | miob0912 | 8194 | miob0975 | 8250 | miob1036 | 8306 | miob1107 | 8362 | miob1180 |
| 8139 | miob0913 | 8195 | miob0976 | 8251 | miob1037 | 8307 | miob1108 | 8363 | miob1181 |
| 8140 | miob0914 | 8196 | miob0977 | 8252 | miob1038 | 8308 | miob1111 | 8364 | miob1182 |
| 8141 | miob0915 | 8197 | miob0978 | 8253 | miob1040 | 8309 | miob1112 | 8365 | miob1183 |
| 8142 | miob0916 | 8198 | miob0979 | 8254 | miob1041 | 8310 | miob1113 | 8366 | miob1184 |
| 8143 | miob0918 | 8199 | miob0980 | 8255 | miob1042 | 8311 | miob1114 | 8367 | miob1185 |
| 8144 | miob0919 | 8200 | miob0981 | 8256 | miob1043 | 8312 | miob1115 | 8368 | miob1186 |
| 8145 | miob0920 | 8201 | miob0982 | 8257 | miob1044 | 8313 | miob1116 | 8369 | miob1187 |
| 8146 | miob0921 | 8202 | miob0983 | 8258 | miob1046 | 8314 | miob1117 | 8370 | miob1188 |
| 8147 | miob0922 | 8203 | miob0984 | 8259 | miob1048 | 8315 | miob1118 | 8371 | miob1189 |
| 8148 | miob0923 | 8204 | miob0986 | 8260 | miob1049 | 8316 | miob1119 | 8372 | miob1190 |
| 8149 | miob0925 | 8205 | miob0987 | 8261 | miob1050 | 8317 | miob1122 | 8373 | miob1191 |
| 8150 | miob0926 | 8206 | miob0988 | 8262 | miob1051 | 8318 | miob1123 | 8374 | miob1192 |
| 8151 | miob0927 | 8207 | miob0989n | 8263 | miob1052 | 8319 | miob1124 | 8375 | miob1194 |
| 8152 | miob0928 | 8208 | miob0990 | 8264 | miob1053 | 8320 | miob1125 | 8376 | miob1195 |
| 8153 | miob0929 | 8209 | miob0992 | 8265 | miob1056 | 8321 | miob1126 | 8377 | miob1196 |
| 8154 | miob0930n | 8210 | miob0993 | 8266 | miob1059 | 8322 | miob1127 | 8378 | miob1197 |
| 8155 | miob0931 | 8211 | miob0994 | 8267 | miob1060 | 8323 | miob1128 | 8379 | miob1198 |
| 8156 | miob0932 | 8212 | miob0995 | 8268 | miob1061 | 8324 | miob1129 | 8380 | miob1199 |
| 8157 | miob0933 | 8213 | miob0996 | 8269 | miob1062 | 8325 | miob1130 | 8381 | miob1200 |
| 8158 | miob0934 | 8214 | miob0997 | 8270 | miob1063 | 8326 | miob1131 | 8382 | miob1202 |
| 8159 | miob0935 | 8215 | miob0999 | 8271 | miob1064 | 8327 | miob1132 | 8383 | miob1203 |
| 8160 | miob0936 | 8216 | miob1000 | 8272 | miob1065 | 8328 | miob1133 | 8384 | miob1204 |
| 8161 | miob0937 | 8217 | miob1001 | 8273 | miob1067 | 8329 | miob1134 | 8385 | miob1205 |
| 8162 | miob0938 | 8218 | miob1002 | 8274 | miob1068 | 8330 | miob1135 | 8386 | miob1206 |
| 8163 | miob0939 | 8219 | miob1003 | 8275 | miob1070 | 8331 | miob1136 | 8387 | miob1208 |
| 8164 | miob0940 | 8220 | miob1004 | 8276 | miob1071 | 8332 | miob1138 | 8388 | miob1209 |
| 8165 | miob0941 | 8221 | miob1005 | 8277 | miob1072 | 8333 | miob1139 | 8389 | miob1210 |
| 8166 | miob0942 | 8222 | miob1006 | 8278 | miob1073 | 8334 | miob1140 | 8390 | miob1211 |
| 8167 | miob0943 | 8223 | miob1007 | 8279 | miob1074 | 8335 | miob1141 | 8391 | miob1214 |
| 8168 | miob0944 | 8224 | miob1008 | 8280 | miob1075 | 8336 | miob1142 | 8392 | miob1215 |
| 8169 | miob0945 | 8225 | miob1009 | 8281 | miob1076 | 8337 | miob1143 | 8393 | miob1218 |
| 8170 | miob0946 | 8226 | miob1010 | 8282 | miob1078 | 8338 | miob1144 | 8394 | miob1219 |
| 8171 | miob0947 | 8227 | miob1011 | 8283 | miob1079n | 8339 | miob1145 | 8395 | miob1220 |
| 8172 | miob0948 | 8228 | miob1012 | 8284 | miob1080 | 8340 | miob1146 | 8396 | miob1221 |
| 8173 | miob0949 | 8229 | miob1013 | 8285 | miob1083 | 8341 | miob1147 | 8397 | miob1222 |
| 8174 | miob0950 | 8230 | miob1014 | 8286 | miob1085 | 8342 | miob1148 | 8398 | miob1223 |
| 8175 | miob0951 | 8231 | miob1015 | 8287 | miob1087 | 8343 | miob1149 | 8399 | miob1224 |
| 8176 | miob0952 | 8232 | miob1016 | 8288 | miob1089 | 8344 | miob1150 | 8400 | miob1225 |

Figure 6D – Continued

| | | | | | | | | | |
|------|-----------|------|----------|------|-----------|------|-----------|------|-----------|
| 8401 | miob1226 | 8457 | miob1296 | 8513 | miob1357 | 8569 | miob1461 | 8625 | MIOB1553 |
| 8402 | miob1227 | 8458 | miob1298 | 8514 | miob1358 | 8570 | miob1479 | 8626 | MIOB1554 |
| 8403 | miob1228 | 8459 | miob1299 | 8515 | miob1359 | 8571 | miob1480 | 8627 | MIOB1555 |
| 8404 | miob1229 | 8460 | miob1300 | 8516 | miob1360 | 8572 | miob1481 | 8628 | MIOB1556 |
| 8405 | miob1230 | 8461 | miob1301 | 8517 | miob1361 | 8573 | MIOB1490 | 8629 | MIOB1557 |
| 8406 | miob1231 | 8462 | miob1302 | 8518 | miob1362 | 8574 | MIOB1491 | 8630 | MIOB1558 |
| 8407 | miob1233 | 8463 | miob1303 | 8519 | miob1363 | 8575 | MIOB1492 | 8631 | MIOB1559 |
| 8408 | miob1234 | 8464 | miob1304 | 8520 | miob1364 | 8576 | MIOB1493 | 8632 | MIOB1560 |
| 8409 | miob1235 | 8465 | miob1305 | 8521 | miob1365 | 8577 | MIOB1494 | 8633 | MIOB1561 |
| 8410 | miob1236 | 8466 | miob1306 | 8522 | miob1366 | 8578 | MIOB1495 | 8634 | MIOB1562 |
| 8411 | miob1237 | 8467 | miob1307 | 8523 | miob1367 | 8579 | MIOB1496 | 8635 | MIOB1563 |
| 8412 | miob1238 | 8468 | miob1308 | 8524 | miob1368 | 8580 | MIOB1497 | 8636 | MIOB1565 |
| 8413 | miob1242 | 8469 | miob1309 | 8525 | miob1369 | 8581 | MIOB1498 | 8637 | MIOB1566 |
| 8414 | miob1243 | 8470 | miob1310 | 8526 | miob1370 | 8582 | MIOB1499 | 8638 | MIOB1567 |
| 8415 | miob1244 | 8471 | miob1312 | 8527 | miob1371 | 8583 | MIOB1501 | 8639 | MIOB1568 |
| 8416 | miob1245 | 8472 | miob1313 | 8528 | miob1372 | 8584 | MIOB1502 | 8640 | MIOB1569 |
| 8417 | miob1246 | 8473 | miob1314 | 8529 | miob1373 | 8585 | MIOB1504 | 8641 | MIOB1570 |
| 8418 | miob1247 | 8474 | miob1315 | 8530 | miob1374 | 8586 | MIOB1505 | 8642 | MIOB1571 |
| 8419 | miob1249 | 8475 | miob1316 | 8531 | miob1375 | 8587 | MIOB1506 | 8643 | MIOB1572 |
| 8420 | miob1250 | 8476 | miob1317 | 8532 | miob1376 | 8588 | MIOB1507 | 8644 | MIOB1573 |
| 8421 | miob1251 | 8477 | miob1318 | 8533 | miob1377n | 8589 | MIOB1508 | 8645 | MIOB1575 |
| 8422 | miob1252 | 8478 | miob1319 | 8534 | miob1378 | 8590 | MIOB1509 | 8646 | MIOB1577 |
| 8423 | miob1253 | 8479 | miob1320 | 8535 | miob1379 | 8591 | MIOB1510 | 8647 | MIOB1579 |
| 8424 | miob1254 | 8480 | miob1321 | 8536 | miob1380 | 8592 | MIOB1511 | 8648 | MIOB1580 |
| 8425 | miob1255 | 8481 | miob1322 | 8537 | miob1381 | 8593 | MIOB1512 | 8649 | MIOB1582 |
| 8426 | miob1258 | 8482 | miob1323 | 8538 | miob1382 | 8594 | MIOB1513 | 8650 | MIOB1583 |
| 8427 | miob1259n | 8483 | miob1324 | 8539 | miob1383 | 8595 | MIOB1514 | 8651 | MIOB1584 |
| 8428 | miob1260 | 8484 | miob1325 | 8540 | miob1384 | 8596 | MIOB1515 | 8652 | miob1687 |
| 8429 | miob1263 | 8485 | miob1326 | 8541 | miob1385 | 8597 | MIOB1518 | 8653 | miob1689 |
| 8430 | miob1265 | 8486 | miob1327 | 8542 | miob1386 | 8598 | MIOB1519 | 8654 | miob1690 |
| 8431 | miob1266 | 8487 | miob1329 | 8543 | miob1387 | 8599 | MIOB1520 | 8655 | miob1691 |
| 8432 | miob1267 | 8488 | miob1330 | 8544 | miob1388 | 8600 | MIOB1521 | 8656 | miob1692n |
| 8433 | miob1268 | 8489 | miob1331 | 8545 | miob1389 | 8601 | MIOB1523 | 8657 | miob1693 |
| 8434 | miob1269 | 8490 | miob1332 | 8546 | miob1390n | 8602 | MIOB1524 | 8658 | miob1694 |
| 8435 | miob1270 | 8491 | miob1333 | 8547 | miob1391 | 8603 | MIOB1525 | 8659 | miob1696 |
| 8436 | miob1271 | 8492 | miob1334 | 8548 | miob1392 | 8604 | MIOB1526 | 8660 | miob1698 |
| 8437 | miob1272 | 8493 | miob1335 | 8549 | miob1393 | 8605 | MIOB1527 | 8661 | miob1699 |
| 8438 | miob1273 | 8494 | miob1336 | 8550 | miob1440 | 8606 | MIOB1528 | 8662 | miob1701 |
| 8439 | miob1274 | 8495 | miob1337 | 8551 | miob1441 | 8607 | miob1529 | 8663 | miob1704 |
| 8440 | miob1275 | 8496 | miob1338 | 8552 | miob1442 | 8608 | MIOB1530 | 8664 | miob1706 |
| 8441 | miob1276 | 8497 | miob1340 | 8553 | miob1443 | 8609 | MIOB1531 | 8665 | miob1707 |
| 8442 | miob1277 | 8498 | miob1341 | 8554 | miob1445 | 8610 | MIOB1533 | 8666 | miob1708 |
| 8443 | miob1278 | 8499 | miob1342 | 8555 | miob1446 | 8611 | MIOB1535 | 8667 | miob1709 |
| 8444 | miob1279 | 8500 | miob1343 | 8556 | miob1447n | 8612 | MIOB1536 | 8668 | miob1710 |
| 8445 | miob1281 | 8501 | miob1344 | 8557 | miob1448 | 8613 | miob1537n | 8669 | miob1711 |
| 8446 | miob1282 | 8502 | miob1345 | 8558 | miob1449 | 8614 | MIOB1538 | 8670 | miob1712 |
| 8447 | miob1283 | 8503 | miob1346 | 8559 | miob1450 | 8615 | MIOB1539 | 8671 | miob1713 |
| 8448 | miob1285 | 8504 | miob1347 | 8560 | miob1451 | 8616 | MIOB1540 | 8672 | miob1714 |
| 8449 | miob1286 | 8505 | miob1348 | 8561 | miob1452 | 8617 | MIOB1541 | 8673 | miob1716 |
| 8450 | miob1287 | 8506 | miob1349 | 8562 | miob1453 | 8618 | MIOB1542 | 8674 | miob1718 |
| 8451 | miob1289 | 8507 | miob1350 | 8563 | miob1454 | 8619 | MIOB1543 | 8675 | miob1719 |
| 8452 | miob1290 | 8508 | miob1352 | 8564 | miob1455 | 8620 | MIOB1545 | 8676 | miob1720 |
| 8453 | miob1291 | 8509 | miob1353 | 8565 | miob1456 | 8621 | MIOB1546 | 8677 | miob1721 |
| 8454 | miob1293 | 8510 | miob1354 | 8566 | miob1457 | 8622 | MIOB1547 | 8678 | miob1722 |
| 8455 | miob1294 | 8511 | miob1355 | 8567 | miob1458 | 8623 | MIOB1550 | 8679 | miob1723 |
| 8456 | miob1295 | 8512 | miob1356 | 8568 | miob1460 | 8624 | MIOB1552 | 8680 | miob1724 |

Figure 6D – Continued

| | | | | | | | | | |
|------|----------|------|-----------|------|----------|------|-----------|------|-----------|
| 8681 | miob1725 | 8737 | miob1795 | 8793 | miob1855 | 8849 | miob1914 | 8905 | MIOB2073 |
| 8682 | miob1726 | 8738 | miob1796 | 8794 | miob1856 | 8850 | miob1915 | 8906 | MIOB2074 |
| 8683 | miob1727 | 8739 | miob1797 | 8795 | miob1857 | 8851 | miob1916 | 8907 | MIOB2077 |
| 8684 | miob1728 | 8740 | miob1798 | 8796 | miob1858 | 8852 | miob1917 | 8908 | MIOB2079 |
| 8685 | miob1729 | 8741 | miob1800 | 8797 | miob1859 | 8853 | miob1918 | 8909 | MIOB2080 |
| 8686 | miob1734 | 8742 | miob1801 | 8798 | miob1860 | 8854 | miob1919 | 8910 | MIOB2082 |
| 8687 | miob1735 | 8743 | miob1802 | 8799 | miob1861 | 8855 | miob1920 | 8911 | MIOB2084 |
| 8688 | miob1737 | 8744 | miob1803 | 8800 | miob1862 | 8856 | miob1921 | 8912 | MIOB2085 |
| 8689 | miob1738 | 8745 | miob1804 | 8801 | miob1863 | 8857 | miob1924 | 8913 | MIOB2087 |
| 8690 | miob1739 | 8746 | miob1806 | 8802 | miob1864 | 8858 | miob1925 | 8914 | MIOB2088 |
| 8691 | miob1740 | 8747 | miob1807 | 8803 | miob1865 | 8859 | miob1926n | 8915 | MIOB2089 |
| 8692 | miob1741 | 8748 | miob1808 | 8804 | miob1866 | 8860 | miob1927 | 8916 | MIOB2090 |
| 8693 | miob1742 | 8749 | miob1809 | 8805 | miob1867 | 8861 | miob1928 | 8917 | MIOB2091 |
| 8694 | miob1743 | 8750 | miob1810 | 8806 | miob1868 | 8862 | miob1929 | 8918 | MIOB2092 |
| 8695 | miob1744 | 8751 | miob1811 | 8807 | miob1869 | 8863 | miob1930 | 8919 | MIOB2093 |
| 8696 | miob1745 | 8752 | miob1812 | 8808 | miob1871 | 8864 | miob1932 | 8920 | MIOB2094 |
| 8697 | miob1746 | 8753 | miob1813 | 8809 | miob1872 | 8865 | miob1933 | 8921 | MIOB2095 |
| 8698 | miob1747 | 8754 | miob1814 | 8810 | miob1873 | 8866 | miob1934 | 8922 | MIOB2096 |
| 8699 | miob1748 | 8755 | miob1815 | 8811 | miob1874 | 8867 | miob1935 | 8923 | MIOB2097 |
| 8700 | miob1749 | 8756 | miob1816 | 8812 | miob1875 | 8868 | miob1936 | 8924 | MIOB2098 |
| 8701 | miob1750 | 8757 | miob1818 | 8813 | miob1876 | 8869 | miob1937 | 8925 | MIOB2099 |
| 8702 | miob1751 | 8758 | miob1820 | 8814 | miob1877 | 8870 | miob1938 | 8926 | MIOB2100 |
| 8703 | miob1752 | 8759 | miob1821 | 8815 | miob1879 | 8871 | miob1939 | 8927 | MIOB2102 |
| 8704 | miob1754 | 8760 | miob1822 | 8816 | miob1880 | 8872 | miob1940 | 8928 | MIOB2103 |
| 8705 | miob1755 | 8761 | miob1823 | 8817 | miob1881 | 8873 | miob1941 | 8929 | MIOB2104 |
| 8706 | miob1756 | 8762 | miob1824 | 8818 | miob1882 | 8874 | miob1942 | 8930 | MIOB2105 |
| 8707 | miob1757 | 8763 | miob1825 | 8819 | miob1883 | 8875 | miob1943 | 8931 | MIOB2107 |
| 8708 | miob1758 | 8764 | miob1826 | 8820 | miob1884 | 8876 | miob1944 | 8932 | MIOB2108 |
| 8709 | miob1759 | 8765 | miob1827 | 8821 | miob1885 | 8877 | miob1945 | 8933 | MIOB2109 |
| 8710 | miob1760 | 8766 | miob1828 | 8822 | miob1886 | 8878 | miob1946 | 8934 | MIOB2110 |
| 8711 | miob1761 | 8767 | miob1829 | 8823 | miob1887 | 8879 | miob1947 | 8935 | MIOB2111 |
| 8712 | miob1762 | 8768 | miob1830 | 8824 | miob1888 | 8880 | miob1949 | 8936 | MIOB2112 |
| 8713 | miob1763 | 8769 | miob1831 | 8825 | miob1889 | 8881 | miob1950 | 8937 | MIOB2113 |
| 8714 | miob1764 | 8770 | miob1832 | 8826 | miob1890 | 8882 | miob1951 | 8938 | MIOB2114 |
| 8715 | miob1765 | 8771 | miob1833 | 8827 | miob1891 | 8883 | miob1952 | 8939 | MIOB2115 |
| 8716 | miob1767 | 8772 | miob1834 | 8828 | miob1892 | 8884 | miob1953 | 8940 | MIOB2116 |
| 8717 | miob1768 | 8773 | miob1835 | 8829 | miob1893 | 8885 | miob1954 | 8941 | MIOB2117 |
| 8718 | miob1769 | 8774 | miob1836 | 8830 | miob1894 | 8886 | miob1955 | 8942 | MIOB2118 |
| 8719 | miob1770 | 8775 | miob1837 | 8831 | miob1895 | 8887 | miob1956 | 8943 | miob2119n |
| 8720 | miob1771 | 8776 | miob1838 | 8832 | miob1896 | 8888 | miob1957 | 8944 | MIOB2120 |
| 8721 | miob1772 | 8777 | miob1839 | 8833 | miob1897 | 8889 | miob1958 | 8945 | MIOB2121 |
| 8722 | miob1774 | 8778 | miob1840 | 8834 | miob1898 | 8890 | miob1959 | 8946 | MIOB2122 |
| 8723 | miob1775 | 8779 | miob1841 | 8835 | miob1899 | 8891 | miob1960 | 8947 | MIOB2123 |
| 8724 | miob1776 | 8780 | miob1842n | 8836 | miob1900 | 8892 | miob1961 | 8948 | MIOB2124 |
| 8725 | miob1777 | 8781 | miob1843 | 8837 | miob1901 | 8893 | miob1962 | 8949 | MIOB2125 |
| 8726 | miob1778 | 8782 | miob1844 | 8838 | miob1902 | 8894 | miob1963 | 8950 | MIOB2126 |
| 8727 | miob1781 | 8783 | miob1845 | 8839 | miob1903 | 8895 | miob1964 | 8951 | miob2127 |
| 8728 | miob1783 | 8784 | miob1846 | 8840 | miob1904 | 8896 | miob1965 | 8952 | MIOB2128 |
| 8729 | miob1785 | 8785 | miob1847 | 8841 | miob1905 | 8897 | miob1966 | 8953 | MIOB2129 |
| 8730 | miob1786 | 8786 | miob1848 | 8842 | miob1906 | 8898 | miob1967 | 8954 | MIOB2130 |
| 8731 | miob1787 | 8787 | miob1849 | 8843 | miob1907 | 8899 | miob1968 | 8955 | MIOB2131 |
| 8732 | miob1789 | 8788 | miob1850n | 8844 | miob1908 | 8900 | miob1969 | 8956 | MIOB2133 |
| 8733 | miob1791 | 8789 | miob1851 | 8845 | miob1909 | 8901 | MIOB2067 | 8957 | MIOB2134 |
| 8734 | miob1792 | 8790 | miob1852n | 8846 | miob1911 | 8902 | MIOB2068 | 8958 | MIOB2135 |
| 8735 | miob1793 | 8791 | miob1853 | 8847 | miob1912 | 8903 | miob2070n | 8959 | MIOB2136 |
| 8736 | miob1794 | 8792 | miob1854 | 8848 | miob1913 | 8904 | miob2072 | 8960 | MIOB2137 |

Figure 6D – Continued

| | | | | | | | | | |
|------|-----------|------|-----------|------|-----------|------|-----------|------|----------|
| 8961 | MI0B2138 | 9017 | MI0B2215 | 9073 | MI0B2306 | 9129 | miob2396 | 9185 | miob2462 |
| 8962 | MI0B2139 | 9018 | MI0B2216 | 9074 | MI0B2307 | 9130 | miob2397 | 9186 | miob2463 |
| 8963 | MI0B2140 | 9019 | miob2217 | 9075 | miob2308n | 9131 | miob2398 | 9187 | miob2464 |
| 8964 | MI0B2141 | 9020 | MI0B2219 | 9076 | MI0B2309 | 9132 | miob2399 | 9188 | miob2465 |
| 8965 | MI0B2142 | 9021 | miob2220 | 9077 | MI0B2310 | 9133 | miob2400 | 9189 | miob2466 |
| 8966 | MI0B2144 | 9022 | MI0B2225 | 9078 | MI0B2311 | 9134 | miob2401 | 9190 | miob2467 |
| 8967 | MI0B2145 | 9023 | MI0B2226 | 9079 | MI0B2312 | 9135 | miob2402 | 9191 | miob2469 |
| 8968 | MI0B2146 | 9024 | MI0B2227 | 9080 | MI0B2313 | 9136 | miob2403 | 9192 | miob2470 |
| 8969 | MI0B2147 | 9025 | MI0B2228 | 9081 | MI0B2314 | 9137 | miob2404 | 9193 | miob2471 |
| 8970 | MI0B2149 | 9026 | MI0B2229 | 9082 | MI0B2317 | 9138 | miob2405 | 9194 | miob2472 |
| 8971 | MI0B2150 | 9027 | MI0B2231 | 9083 | MI0B2319 | 9139 | miob2406 | 9195 | miob2473 |
| 8972 | MI0B2151 | 9028 | MI0B2232 | 9084 | MI0B2324 | 9140 | miob2407 | 9196 | miob2474 |
| 8973 | MI0B2152 | 9029 | MI0B2233 | 9085 | MI0B2330 | 9141 | miob2408 | 9197 | miob2475 |
| 8974 | MI0B2153 | 9030 | MI0B2234 | 9086 | MI0B2338 | 9142 | miob2409 | 9198 | miob2477 |
| 8975 | MI0B2154 | 9031 | MI0B2235 | 9087 | MI0B2341 | 9143 | miob2411 | 9199 | miob2478 |
| 8976 | MI0B2157 | 9032 | MI0B2239 | 9088 | MI0B2342 | 9144 | miob2412 | 9200 | miob2479 |
| 8977 | MI0B2158 | 9033 | MI0B2240 | 9089 | MI0B2344 | 9145 | miob2414 | 9201 | miob2480 |
| 8978 | MI0B2159 | 9034 | miob2241 | 9090 | MI0B2345 | 9146 | miob2415 | 9202 | miob2481 |
| 8979 | MI0B2163 | 9035 | MI0B2242 | 9091 | miob2353n | 9147 | miob2416 | 9203 | miob2482 |
| 8980 | MI0B2164 | 9036 | miob2243 | 9092 | miob2355 | 9148 | miob2418 | 9204 | miob2484 |
| 8981 | MI0B2166 | 9037 | MI0B2244 | 9093 | miob2356 | 9149 | miob2419 | 9205 | miob2485 |
| 8982 | MI0B2167 | 9038 | MI0B2247 | 9094 | miob2357n | 9150 | miob2420 | 9206 | miob2486 |
| 8983 | MI0B2168 | 9039 | MI0B2248 | 9095 | miob2358 | 9151 | miob2421 | 9207 | miob2487 |
| 8984 | MI0B2169 | 9040 | MI0B2249 | 9096 | miob2359 | 9152 | miob2422 | 9208 | miob2489 |
| 8985 | MI0B2172 | 9041 | MI0B2250 | 9097 | miob2360 | 9153 | miob2423 | 9209 | miob2490 |
| 8986 | MI0B2173 | 9042 | MI0B2252 | 9098 | miob2361 | 9154 | miob2424 | 9210 | miob2491 |
| 8987 | MI0B2174 | 9043 | MI0B2253 | 9099 | miob2362 | 9155 | miob2425 | 9211 | miob2492 |
| 8988 | MI0B2175 | 9044 | MI0B2256 | 9100 | miob2363 | 9156 | miob2426 | 9212 | miob2493 |
| 8989 | MI0B2177 | 9045 | MI0B2257 | 9101 | miob2364 | 9157 | miob2428 | 9213 | miob2494 |
| 8990 | MI0B2178 | 9046 | MI0B2259 | 9102 | miob2365 | 9158 | miob2429 | 9214 | miob2495 |
| 8991 | miob2180n | 9047 | MI0B2261 | 9103 | miob2366 | 9159 | miob2430 | 9215 | miob2496 |
| 8992 | MI0B2181 | 9048 | miob2262n | 9104 | miob2367n | 9160 | miob2431 | 9216 | miob2497 |
| 8993 | MI0B2183 | 9049 | MI0B2263 | 9105 | miob2368 | 9161 | miob2432 | 9217 | miob2498 |
| 8994 | MI0B2184 | 9050 | MI0B2265 | 9106 | miob2369n | 9162 | miob2433 | 9218 | miob2499 |
| 8995 | MI0B2185 | 9051 | MI0B2267 | 9107 | miob2371 | 9163 | miob2434 | 9219 | miob2500 |
| 8996 | miob2186 | 9052 | MI0B2269 | 9108 | miob2372 | 9164 | miob2436 | 9220 | miob2502 |
| 8997 | MI0B2187 | 9053 | MI0B2271 | 9109 | miob2373 | 9165 | miob2437 | 9221 | miob2503 |
| 8998 | MI0B2188 | 9054 | MI0B2273 | 9110 | miob2374 | 9166 | miob2438 | 9222 | miob2504 |
| 8999 | MI0B2189 | 9055 | MI0B2274 | 9111 | miob2375 | 9167 | miob2440 | 9223 | miob2505 |
| 9000 | miob2191 | 9056 | miob2276n | 9112 | miob2376 | 9168 | miob2442 | 9224 | miob2506 |
| 9001 | MI0B2192 | 9057 | MI0B2277 | 9113 | miob2377 | 9169 | miob2443 | 9225 | miob2507 |
| 9002 | MI0B2193 | 9058 | MI0B2279 | 9114 | miob2378 | 9170 | miob2444 | 9226 | miob2508 |
| 9003 | MI0B2194 | 9059 | MI0B2282 | 9115 | miob2380 | 9171 | miob2445 | 9227 | miob2509 |
| 9004 | miob2197 | 9060 | miob2284 | 9116 | miob2381 | 9172 | miob2446 | 9228 | miob2510 |
| 9005 | miob2199 | 9061 | MI0B2285 | 9117 | miob2382 | 9173 | miob2447 | 9229 | miob2511 |
| 9006 | MI0B2201 | 9062 | MI0B2287 | 9118 | miob2383 | 9174 | miob2448 | 9230 | miob2512 |
| 9007 | MI0B2202 | 9063 | miob2289n | 9119 | miob2384 | 9175 | miob2449 | 9231 | miob2514 |
| 9008 | miob2203 | 9064 | MI0B2291 | 9120 | miob2385 | 9176 | miob2452 | 9232 | miob2515 |
| 9009 | MI0B2206 | 9065 | MI0B2293 | 9121 | miob2386 | 9177 | miob2453 | 9233 | miob2516 |
| 9010 | MI0B2207 | 9066 | MI0B2297 | 9122 | miob2387 | 9178 | miob2454 | 9234 | miob2518 |
| 9011 | MI0B2209 | 9067 | MI0B2299 | 9123 | miob2388 | 9179 | miob2455 | 9235 | miob2519 |
| 9012 | MI0B2210 | 9068 | MI0B2300 | 9124 | miob2391 | 9180 | miob2456 | 9236 | miob2520 |
| 9013 | MI0B2211 | 9069 | MI0B2301 | 9125 | miob2392 | 9181 | miob2457 | 9237 | miob2521 |
| 9014 | MI0B2212 | 9070 | MI0B2303 | 9126 | miob2393 | 9182 | miob2458 | 9238 | miob2522 |
| 9015 | MI0B2213 | 9071 | MI0B2304 | 9127 | miob2394 | 9183 | miob2459n | 9239 | miob2523 |
| 9016 | MI0B2214 | 9072 | MI0B2305 | 9128 | miob2395 | 9184 | miob2461 | 9240 | miob2526 |

Figure 6D – Continued

| | | | | | | | | | |
|------|-----------|------|-----------|------|-----------|------|-----------|------|----------|
| 9241 | miob2527 | 9297 | MIOB2594 | 9353 | MIOB2670 | 9409 | MIOB2752 | 9465 | MIOB2843 |
| 9242 | miob2528 | 9298 | MIOB2595 | 9354 | MIOB2671 | 9410 | MIOB2753 | 9466 | MIOB2845 |
| 9243 | miob2530 | 9299 | MIOB2596 | 9355 | miob2672n | 9411 | MIOB2754 | 9467 | MIOB2846 |
| 9244 | miob2531 | 9300 | MIOB2597 | 9356 | MIOB2673 | 9412 | miob2755n | 9468 | MIOB2847 |
| 9245 | miob2532 | 9301 | MIOB2599 | 9357 | MIOB2674 | 9413 | MIOB2756 | 9469 | MIOB2849 |
| 9246 | miob2533 | 9302 | MIOB2600 | 9358 | MIOB2675 | 9414 | MIOB2757 | 9470 | MIOB2850 |
| 9247 | miob2534 | 9303 | MIOB2601 | 9359 | MIOB2676 | 9415 | MIOB2759 | 9471 | MIOB2851 |
| 9248 | miob2535 | 9304 | MIOB2602 | 9360 | miob2677n | 9416 | MIOB2761 | 9472 | MIOB2852 |
| 9249 | miob2536 | 9305 | MIOB2603 | 9361 | MIOB2679 | 9417 | MIOB2762 | 9473 | MIOB2853 |
| 9250 | miob2537 | 9306 | MIOB2605 | 9362 | MIOB2682 | 9418 | MIOB2763 | 9474 | MIOB2854 |
| 9251 | miob2538 | 9307 | MIOB2606 | 9363 | MIOB2683 | 9419 | MIOB2768 | 9475 | MIOB2855 |
| 9252 | miob2539 | 9308 | miob2607 | 9364 | MIOB2684 | 9420 | MIOB2770 | 9476 | MIOB2856 |
| 9253 | miob2540 | 9309 | MIOB2609 | 9365 | MIOB2685 | 9421 | MIOB2771 | 9477 | MIOB2857 |
| 9254 | miob2541 | 9310 | MIOB2610 | 9366 | MIOB2686 | 9422 | miob2776n | 9478 | MIOB2858 |
| 9255 | miob2542 | 9311 | MIOB2611 | 9367 | MIOB2687 | 9423 | MIOB2780 | 9479 | MIOB2859 |
| 9256 | miob2543 | 9312 | MIOB2612 | 9368 | MIOB2688 | 9424 | MIOB2781 | 9480 | MIOB2860 |
| 9257 | miob2544 | 9313 | MIOB2613 | 9369 | MIOB2691 | 9425 | MIOB2787 | 9481 | MIOB2861 |
| 9258 | miob2545 | 9314 | MIOB2615 | 9370 | MIOB2692 | 9426 | MIOB2788 | 9482 | MIOB2862 |
| 9259 | MIOB2547 | 9315 | MIOB2616 | 9371 | MIOB2693 | 9427 | MIOB2789 | 9483 | MIOB2864 |
| 9260 | MIOB2548 | 9316 | MIOB2617 | 9372 | MIOB2695 | 9428 | MIOB2795 | 9484 | MIOB2865 |
| 9261 | MIOB2549 | 9317 | MIOB2619 | 9373 | MIOB2698 | 9429 | MIOB2796 | 9485 | MIOB2866 |
| 9262 | MIOB2551 | 9318 | MIOB2620 | 9374 | MIOB2699 | 9430 | MIOB2798 | 9486 | MIOB2867 |
| 9263 | MIOB2553 | 9319 | MIOB2621 | 9375 | MIOB2700 | 9431 | miob2800 | 9487 | MIOB2868 |
| 9264 | MIOB2554 | 9320 | MIOB2622 | 9376 | MIOB2701 | 9432 | MIOB2802 | 9488 | MIOB2869 |
| 9265 | MIOB2556 | 9321 | MIOB2623 | 9377 | MIOB2703 | 9433 | MIOB2803 | 9489 | MIOB2870 |
| 9266 | MIOB2557 | 9322 | miob2624 | 9378 | MIOB2705 | 9434 | MIOB2804 | 9490 | MIOB2872 |
| 9267 | MIOB2559 | 9323 | MIOB2626 | 9379 | MIOB2707 | 9435 | MIOB2805 | 9491 | MIOB2874 |
| 9268 | MIOB2561 | 9324 | MIOB2627 | 9380 | MIOB2708 | 9436 | MIOB2806 | 9492 | MIOB2875 |
| 9269 | MIOB2563 | 9325 | miob2629 | 9381 | MIOB2709 | 9437 | MIOB2807 | 9493 | miob2876 |
| 9270 | MIOB2564 | 9326 | MIOB2630 | 9382 | MIOB2711 | 9438 | MIOB2808 | 9494 | miob2877 |
| 9271 | MIOB2565 | 9327 | MIOB2631 | 9383 | MIOB2712 | 9439 | miob2810n | 9495 | MIOB2878 |
| 9272 | MIOB2566 | 9328 | MIOB2634 | 9384 | MIOB2714 | 9440 | MIOB2811 | 9496 | miob2879 |
| 9273 | MIOB2567 | 9329 | MIOB2635 | 9385 | MIOB2715 | 9441 | MIOB2812 | 9497 | miob2881 |
| 9274 | MIOB2568 | 9330 | MIOB2636 | 9386 | MIOB2716 | 9442 | MIOB2814 | 9498 | miob2882 |
| 9275 | MIOB2569 | 9331 | miob2639n | 9387 | MIOB2717 | 9443 | MIOB2817 | 9499 | miob2883 |
| 9276 | MIOB2570 | 9332 | MIOB2641 | 9388 | MIOB2718 | 9444 | MIOB2818 | 9500 | miob2884 |
| 9277 | MIOB2571 | 9333 | MIOB2642 | 9389 | MIOB2720 | 9445 | MIOB2819 | 9501 | miob2885 |
| 9278 | MIOB2573 | 9334 | MIOB2643 | 9390 | MIOB2721 | 9446 | MIOB2821 | 9502 | miob2886 |
| 9279 | MIOB2574 | 9335 | MIOB2644 | 9391 | MIOB2723 | 9447 | MIOB2822 | 9503 | miob2887 |
| 9280 | MIOB2575 | 9336 | MIOB2645 | 9392 | MIOB2724 | 9448 | MIOB2823 | 9504 | miob2888 |
| 9281 | miob2576n | 9337 | MIOB2646 | 9393 | MIOB2725 | 9449 | MIOB2824 | 9505 | miob2889 |
| 9282 | MIOB2577 | 9338 | miob2647 | 9394 | MIOB2727 | 9450 | MIOB2825 | 9506 | miob2896 |
| 9283 | MIOB2578 | 9339 | MIOB2648 | 9395 | MIOB2728 | 9451 | MIOB2826 | 9507 | miob2897 |
| 9284 | MIOB2579 | 9340 | MIOB2650 | 9396 | MIOB2731 | 9452 | MIOB2827 | 9508 | miob2898 |
| 9285 | MIOB2581 | 9341 | MIOB2651 | 9397 | MIOB2733 | 9453 | MIOB2828 | 9509 | miob2899 |
| 9286 | miob2582n | 9342 | MIOB2652 | 9398 | MIOB2735 | 9454 | MIOB2829 | 9510 | miob2900 |
| 9287 | MIOB2583 | 9343 | miob2655n | 9399 | MIOB2736 | 9455 | MIOB2831 | 9511 | miob2901 |
| 9288 | MIOB2584 | 9344 | MIOB2656 | 9400 | MIOB2737 | 9456 | MIOB2833 | 9512 | miob2902 |
| 9289 | MIOB2585 | 9345 | MIOB2658 | 9401 | MIOB2739 | 9457 | MIOB2834 | 9513 | miob2903 |
| 9290 | MIOB2586 | 9346 | MIOB2660 | 9402 | MIOB2740 | 9458 | MIOB2835 | 9514 | miob2904 |
| 9291 | MIOB2587 | 9347 | MIOB2664 | 9403 | MIOB2743 | 9459 | MIOB2836 | 9515 | miob2905 |
| 9292 | MIOB2588 | 9348 | MIOB2665 | 9404 | miob2744n | 9460 | MIOB2837 | 9516 | miob2906 |
| 9293 | MIOB2589 | 9349 | MIOB2666 | 9405 | MIOB2745 | 9461 | miob2839n | 9517 | miob2907 |
| 9294 | MIOB2591 | 9350 | MIOB2667 | 9406 | MIOB2746 | 9462 | MIOB2840 | 9518 | miob2908 |
| 9295 | MIOB2592 | 9351 | MIOB2668 | 9407 | MIOB2750 | 9463 | MIOB2841 | 9519 | miob2909 |
| 9296 | MIOB2593 | 9352 | MIOB2669 | 9408 | MIOB2751 | 9464 | MIOB2842 | 9520 | miob2910 |

Figure 6D – Continued

| | | | | | | | | | |
|------|----------|------|----------|------|----------|------|----------|------|----------|
| 9521 | miob2911 | 9577 | miob2969 | 9633 | miob3029 | 9689 | miob3090 | 9745 | miob3158 |
| 9522 | miob2912 | 9578 | miob2970 | 9634 | miob3030 | 9690 | miob3091 | 9746 | miob3159 |
| 9523 | miob2913 | 9579 | miob2971 | 9635 | miob3032 | 9691 | miob3092 | 9747 | miob3160 |
| 9524 | miob2914 | 9580 | miob2972 | 9636 | miob3033 | 9692 | miob3093 | 9748 | miob3161 |
| 9525 | miob2915 | 9581 | miob2973 | 9637 | miob3034 | 9693 | miob3094 | 9749 | miob3162 |
| 9526 | miob2916 | 9582 | miob2974 | 9638 | miob3035 | 9694 | miob3095 | 9750 | miob3163 |
| 9527 | miob2917 | 9583 | miob2975 | 9639 | miob3036 | 9695 | miob3096 | 9751 | miob3164 |
| 9528 | miob2918 | 9584 | miob2976 | 9640 | miob3037 | 9696 | miob3097 | 9752 | miob3165 |
| 9529 | miob2919 | 9585 | miob2977 | 9641 | miob3038 | 9697 | miob3098 | 9753 | miob3166 |
| 9530 | miob2920 | 9586 | miob2978 | 9642 | miob3040 | 9698 | miob3100 | 9754 | miob3167 |
| 9531 | miob2921 | 9587 | miob2979 | 9643 | miob3041 | 9699 | miob3101 | 9755 | miob3168 |
| 9532 | miob2922 | 9588 | miob2980 | 9644 | miob3042 | 9700 | miob3102 | 9756 | miob3169 |
| 9533 | miob2923 | 9589 | miob2981 | 9645 | miob3043 | 9701 | miob3103 | 9757 | miob3170 |
| 9534 | miob2925 | 9590 | miob2982 | 9646 | miob3044 | 9702 | miob3105 | 9758 | miob3171 |
| 9535 | miob2926 | 9591 | miob2984 | 9647 | miob3045 | 9703 | miob3106 | 9759 | miob3172 |
| 9536 | miob2927 | 9592 | miob2985 | 9648 | miob3046 | 9704 | miob3107 | 9760 | miob3173 |
| 9537 | miob2928 | 9593 | miob2986 | 9649 | miob3047 | 9705 | miob3113 | 9761 | miob3174 |
| 9538 | miob2929 | 9594 | miob2987 | 9650 | miob3048 | 9706 | miob3116 | 9762 | miob3175 |
| 9539 | miob2930 | 9595 | miob2988 | 9651 | miob3049 | 9707 | miob3117 | 9763 | miob3176 |
| 9540 | miob2931 | 9596 | miob2989 | 9652 | miob3050 | 9708 | miob3118 | 9764 | miob3177 |
| 9541 | miob2932 | 9597 | miob2990 | 9653 | miob3051 | 9709 | miob3119 | 9765 | miob3178 |
| 9542 | miob2933 | 9598 | miob2991 | 9654 | miob3052 | 9710 | miob3120 | 9766 | miob3179 |
| 9543 | miob2934 | 9599 | miob2992 | 9655 | miob3053 | 9711 | miob3121 | 9767 | miob3180 |
| 9544 | miob2935 | 9600 | miob2993 | 9656 | miob3054 | 9712 | miob3122 | 9768 | miob3181 |
| 9545 | miob2936 | 9601 | miob2994 | 9657 | miob3055 | 9713 | miob3124 | 9769 | miob3182 |
| 9546 | miob2937 | 9602 | miob2995 | 9658 | miob3056 | 9714 | miob3125 | 9770 | miob3183 |
| 9547 | miob2938 | 9603 | miob2996 | 9659 | miob3057 | 9715 | miob3126 | 9771 | miob3184 |
| 9548 | miob2939 | 9604 | miob2997 | 9660 | miob3058 | 9716 | miob3127 | 9772 | miob3185 |
| 9549 | miob2941 | 9605 | miob2998 | 9661 | miob3059 | 9717 | miob3128 | 9773 | miob3186 |
| 9550 | miob2942 | 9606 | miob2999 | 9662 | miob3060 | 9718 | miob3129 | 9774 | miob3187 |
| 9551 | miob2943 | 9607 | miob3001 | 9663 | miob3062 | 9719 | miob3130 | 9775 | miob3188 |
| 9552 | miob2944 | 9608 | miob3002 | 9664 | miob3063 | 9720 | miob3131 | 9776 | miob3189 |
| 9553 | miob2945 | 9609 | miob3003 | 9665 | miob3064 | 9721 | miob3132 | 9777 | miob3190 |
| 9554 | miob2946 | 9610 | miob3004 | 9666 | miob3065 | 9722 | miob3133 | 9778 | miob3191 |
| 9555 | miob2947 | 9611 | miob3005 | 9667 | miob3066 | 9723 | miob3134 | 9779 | miob3192 |
| 9556 | miob2948 | 9612 | miob3007 | 9668 | miob3068 | 9724 | miob3135 | 9780 | miob3193 |
| 9557 | miob2949 | 9613 | miob3008 | 9669 | miob3069 | 9725 | miob3137 | 9781 | miob3194 |
| 9558 | miob2950 | 9614 | miob3009 | 9670 | miob3070 | 9726 | miob3138 | 9782 | miob3195 |
| 9559 | miob2951 | 9615 | miob3010 | 9671 | miob3071 | 9727 | miob3139 | 9783 | miob3196 |
| 9560 | miob2952 | 9616 | miob3011 | 9672 | miob3072 | 9728 | miob3140 | 9784 | miob3197 |
| 9561 | miob2953 | 9617 | miob3012 | 9673 | miob3073 | 9729 | miob3141 | 9785 | miob3198 |
| 9562 | miob2954 | 9618 | miob3013 | 9674 | miob3074 | 9730 | miob3142 | 9786 | miob3199 |
| 9563 | miob2955 | 9619 | miob3014 | 9675 | miob3075 | 9731 | miob3143 | 9787 | miob3200 |
| 9564 | miob2956 | 9620 | miob3015 | 9676 | miob3076 | 9732 | miob3144 | 9788 | miob3201 |
| 9565 | miob2957 | 9621 | miob3016 | 9677 | miob3077 | 9733 | miob3145 | 9789 | miob3202 |
| 9566 | miob2958 | 9622 | miob3017 | 9678 | miob3078 | 9734 | miob3146 | 9790 | miob3203 |
| 9567 | miob2959 | 9623 | miob3018 | 9679 | miob3079 | 9735 | miob3147 | 9791 | miob3204 |
| 9568 | miob2960 | 9624 | miob3019 | 9680 | miob3080 | 9736 | miob3148 | 9792 | miob3205 |
| 9569 | miob2961 | 9625 | miob3020 | 9681 | miob3081 | 9737 | miob3149 | 9793 | miob3206 |
| 9570 | miob2962 | 9626 | miob3021 | 9682 | miob3082 | 9738 | miob3150 | 9794 | miob3207 |
| 9571 | miob2963 | 9627 | miob3022 | 9683 | miob3083 | 9739 | miob3151 | 9795 | miob3208 |
| 9572 | miob2964 | 9628 | miob3024 | 9684 | miob3084 | 9740 | miob3152 | 9796 | miob3209 |
| 9573 | miob2965 | 9629 | miob3025 | 9685 | miob3085 | 9741 | miob3153 | 9797 | miob3210 |
| 9574 | miob2966 | 9630 | miob3026 | 9686 | miob3086 | 9742 | miob3155 | 9798 | miob3211 |
| 9575 | miob2967 | 9631 | miob3027 | 9687 | miob3088 | 9743 | miob3156 | 9799 | miob3212 |
| 9576 | miob2968 | 9632 | miob3028 | 9688 | miob3089 | 9744 | miob3157 | 9800 | miob3213 |

Figure 6D – Continued

| | | | | | | | | | |
|------|----------|------|----------|------|----------|-------|----------|-------|----------|
| 9801 | miob3214 | 9857 | miob3275 | 9913 | miob3345 | 9969 | miob3408 | 10025 | miob3467 |
| 9802 | miob3215 | 9858 | miob3276 | 9914 | miob3348 | 9970 | miob3410 | 10026 | miob3468 |
| 9803 | miob3216 | 9859 | miob3278 | 9915 | miob3349 | 9971 | miob3411 | 10027 | miob3469 |
| 9804 | miob3217 | 9860 | miob3279 | 9916 | miob3350 | 9972 | miob3412 | 10028 | miob3470 |
| 9805 | miob3218 | 9861 | miob3280 | 9917 | miob3351 | 9973 | miob3413 | 10029 | miob3471 |
| 9806 | miob3219 | 9862 | miob3281 | 9918 | miob3352 | 9974 | miob3414 | 10030 | miob3472 |
| 9807 | miob3220 | 9863 | miob3283 | 9919 | miob3353 | 9975 | miob3415 | 10031 | miob3473 |
| 9808 | miob3221 | 9864 | miob3284 | 9920 | miob3354 | 9976 | miob3416 | 10032 | miob3474 |
| 9809 | miob3222 | 9865 | miob3285 | 9921 | miob3355 | 9977 | miob3417 | 10033 | miob3475 |
| 9810 | miob3223 | 9866 | miob3286 | 9922 | miob3356 | 9978 | miob3418 | 10034 | miob3476 |
| 9811 | miob3224 | 9867 | miob3287 | 9923 | miob3357 | 9979 | miob3419 | 10035 | miob3477 |
| 9812 | miob3225 | 9868 | miob3288 | 9924 | miob3358 | 9980 | miob3420 | 10036 | miob3478 |
| 9813 | miob3228 | 9869 | miob3289 | 9925 | miob3359 | 9981 | miob3421 | 10037 | miob3479 |
| 9814 | miob3229 | 9870 | miob3290 | 9926 | miob3360 | 9982 | miob3423 | 10038 | miob3480 |
| 9815 | miob3230 | 9871 | miob3291 | 9927 | miob3361 | 9983 | miob3424 | 10039 | miob3482 |
| 9816 | miob3231 | 9872 | miob3295 | 9928 | miob3363 | 9984 | miob3425 | 10040 | miob3483 |
| 9817 | miob3232 | 9873 | miob3296 | 9929 | miob3364 | 9985 | miob3426 | 10041 | miob3484 |
| 9818 | miob3233 | 9874 | miob3297 | 9930 | miob3365 | 9986 | miob3427 | 10042 | miob3485 |
| 9819 | miob3234 | 9875 | miob3298 | 9931 | miob3366 | 9987 | miob3428 | 10043 | miob3486 |
| 9820 | miob3235 | 9876 | miob3299 | 9932 | miob3367 | 9988 | miob3429 | 10044 | miob3487 |
| 9821 | miob3236 | 9877 | miob3300 | 9933 | miob3368 | 9989 | miob3430 | 10045 | miob3488 |
| 9822 | miob3238 | 9878 | miob3301 | 9934 | miob3369 | 9990 | miob3431 | 10046 | miob3489 |
| 9823 | miob3239 | 9879 | miob3306 | 9935 | miob3370 | 9991 | miob3432 | 10047 | miob3491 |
| 9824 | miob3240 | 9880 | miob3307 | 9936 | miob3371 | 9992 | miob3433 | 10048 | miob3492 |
| 9825 | miob3241 | 9881 | miob3308 | 9937 | miob3372 | 9993 | miob3434 | 10049 | miob3493 |
| 9826 | miob3242 | 9882 | miob3309 | 9938 | miob3373 | 9994 | miob3435 | 10050 | miob3494 |
| 9827 | miob3243 | 9883 | miob3310 | 9939 | miob3374 | 9995 | miob3437 | 10051 | miob3496 |
| 9828 | miob3244 | 9884 | miob3311 | 9940 | miob3375 | 9996 | miob3438 | 10052 | miob3498 |
| 9829 | miob3245 | 9885 | miob3312 | 9941 | miob3376 | 9997 | miob3439 | 10053 | miob3501 |
| 9830 | miob3246 | 9886 | miob3313 | 9942 | miob3377 | 9998 | miob3440 | 10054 | miob3502 |
| 9831 | miob3247 | 9887 | miob3314 | 9943 | miob3378 | 9999 | miob3441 | 10055 | miob3507 |
| 9832 | miob3248 | 9888 | miob3315 | 9944 | miob3380 | 10000 | miob3442 | 10056 | miob3508 |
| 9833 | miob3249 | 9889 | miob3316 | 9945 | miob3381 | 10001 | miob3443 | 10057 | miob3531 |
| 9834 | miob3250 | 9890 | miob3317 | 9946 | miob3382 | 10002 | miob3444 | 10058 | miob3532 |
| 9835 | miob3251 | 9891 | miob3319 | 9947 | miob3383 | 10003 | miob3445 | 10059 | miob3534 |
| 9836 | miob3252 | 9892 | miob3320 | 9948 | miob3384 | 10004 | miob3446 | 10060 | miob3537 |
| 9837 | miob3253 | 9893 | miob3321 | 9949 | miob3385 | 10005 | miob3447 | 10061 | miob3540 |
| 9838 | miob3254 | 9894 | miob3322 | 9950 | miob3386 | 10006 | miob3448 | 10062 | miob3542 |
| 9839 | miob3255 | 9895 | miob3323 | 9951 | miob3387 | 10007 | miob3449 | 10063 | miob3546 |
| 9840 | miob3256 | 9896 | miob3324 | 9952 | miob3388 | 10008 | miob3450 | 10064 | miob3547 |
| 9841 | miob3257 | 9897 | miob3325 | 9953 | miob3389 | 10009 | miob3451 | 10065 | miob3548 |
| 9842 | miob3258 | 9898 | miob3326 | 9954 | miob3391 | 10010 | miob3452 | 10066 | miob3549 |
| 9843 | miob3259 | 9899 | miob3328 | 9955 | miob3392 | 10011 | miob3453 | 10067 | miob3552 |
| 9844 | miob3261 | 9900 | miob3329 | 9956 | miob3394 | 10012 | miob3454 | 10068 | miob3553 |
| 9845 | miob3262 | 9901 | miob3330 | 9957 | miob3395 | 10013 | miob3455 | 10069 | miob3558 |
| 9846 | miob3263 | 9902 | miob3331 | 9958 | miob3396 | 10014 | miob3456 | 10070 | miob3560 |
| 9847 | miob3264 | 9903 | miob3333 | 9959 | miob3397 | 10015 | miob3457 | 10071 | miob3561 |
| 9848 | miob3265 | 9904 | miob3334 | 9960 | miob3398 | 10016 | miob3458 | 10072 | miob3562 |
| 9849 | miob3266 | 9905 | miob3335 | 9961 | miob3399 | 10017 | miob3459 | 10073 | miob3564 |
| 9850 | miob3267 | 9906 | miob3336 | 9962 | miob3401 | 10018 | miob3460 | 10074 | miob3565 |
| 9851 | miob3268 | 9907 | miob3337 | 9963 | miob3402 | 10019 | miob3461 | 10075 | miob3566 |
| 9852 | miob3269 | 9908 | miob3338 | 9964 | miob3403 | 10020 | miob3462 | 10076 | miob3567 |
| 9853 | miob3270 | 9909 | miob3339 | 9965 | miob3404 | 10021 | miob3463 | 10077 | miob3568 |
| 9854 | miob3271 | 9910 | miob3340 | 9966 | miob3405 | 10022 | miob3464 | 10078 | miob3571 |
| 9855 | miob3272 | 9911 | miob3342 | 9967 | miob3406 | 10023 | miob3465 | 10079 | miob3573 |
| 9856 | miob3273 | 9912 | miob3344 | 9968 | miob3407 | 10024 | miob3466 | 10080 | miob3577 |

Figure 6D - Continued

| | | | | | | | | | |
|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|
| 10081 | miob3583 | 10137 | miob3651 | 10193 | miob3721 | 10249 | miob3788 | 10305 | miob3851 |
| 10082 | miob3586 | 10138 | miob3652 | 10194 | miob3722 | 10250 | miob3789 | 10306 | miob3853 |
| 10083 | miob3588 | 10139 | miob3655 | 10195 | miob3723 | 10251 | miob3790 | 10307 | miob3854 |
| 10084 | miob3590 | 10140 | miob3656 | 10196 | miob3724 | 10252 | miob3791 | 10308 | miob3855 |
| 10085 | miob3591 | 10141 | miob3657 | 10197 | miob3725 | 10253 | miob3792 | 10309 | miob3856 |
| 10086 | miob3592 | 10142 | miob3658 | 10198 | miob3726 | 10254 | miob3793 | 10310 | miob3857 |
| 10087 | miob3593 | 10143 | miob3659 | 10199 | miob3727 | 10255 | miob3794 | 10311 | miob3858 |
| 10088 | miob3594 | 10144 | miob3660 | 10200 | miob3728 | 10256 | miob3796 | 10312 | miob3859 |
| 10089 | miob3595 | 10145 | miob3661 | 10201 | miob3729 | 10257 | miob3797 | 10313 | miob3860 |
| 10090 | miob3596 | 10146 | miob3662 | 10202 | miob3731 | 10258 | miob3798 | 10314 | miob3861 |
| 10091 | miob3597 | 10147 | miob3663 | 10203 | miob3732 | 10259 | miob3799 | 10315 | miob3862 |
| 10092 | miob3598 | 10148 | miob3664 | 10204 | miob3733 | 10260 | miob3800 | 10316 | miob3863 |
| 10093 | miob3600 | 10149 | miob3665 | 10205 | miob3735 | 10261 | miob3802 | 10317 | miob3865 |
| 10094 | miob3601 | 10150 | miob3666 | 10206 | miob3736 | 10262 | miob3803 | 10318 | miob3867 |
| 10095 | miob3602 | 10151 | miob3668 | 10207 | miob3739 | 10263 | miob3804 | 10319 | miob3868 |
| 10096 | miob3604 | 10152 | miob3669 | 10208 | miob3741 | 10264 | miob3805 | 10320 | miob3869 |
| 10097 | miob3605 | 10153 | miob3672 | 10209 | miob3742 | 10265 | miob3808 | 10321 | miob3870 |
| 10098 | miob3606 | 10154 | miob3674 | 10210 | miob3743 | 10266 | miob3809 | 10322 | miob3871 |
| 10099 | miob3608 | 10155 | miob3676 | 10211 | miob3744 | 10267 | miob3810 | 10323 | miob3872 |
| 10100 | miob3609 | 10156 | miob3677 | 10212 | miob3745 | 10268 | miob3811 | 10324 | miob3873 |
| 10101 | miob3610 | 10157 | miob3678 | 10213 | miob3746 | 10269 | miob3812 | 10325 | miob3874 |
| 10102 | miob3611 | 10158 | miob3679 | 10214 | miob3748 | 10270 | miob3813 | 10326 | miob3875 |
| 10103 | miob3612 | 10159 | miob3680 | 10215 | miob3749 | 10271 | miob3814 | 10327 | miob3876 |
| 10104 | miob3613 | 10160 | miob3681 | 10216 | miob3750 | 10272 | miob3816 | 10328 | miob3877 |
| 10105 | miob3614 | 10161 | miob3682 | 10217 | miob3751 | 10273 | miob3818 | 10329 | miob3878 |
| 10106 | miob3617 | 10162 | miob3683 | 10218 | miob3752 | 10274 | miob3819 | 10330 | miob3879 |
| 10107 | miob3618 | 10163 | miob3684 | 10219 | miob3753 | 10275 | miob3820 | 10331 | miob3880 |
| 10108 | miob3619 | 10164 | miob3687 | 10220 | miob3754 | 10276 | miob3821 | 10332 | miob3881 |
| 10109 | miob3620 | 10165 | miob3688 | 10221 | miob3755 | 10277 | miob3822 | 10333 | miob3882 |
| 10110 | miob3621 | 10166 | miob3689 | 10222 | miob3756 | 10278 | miob3823 | 10334 | miob3883 |
| 10111 | miob3622 | 10167 | miob3690 | 10223 | miob3757 | 10279 | miob3824 | 10335 | miob3884 |
| 10112 | miob3623 | 10168 | miob3691 | 10224 | miob3758 | 10280 | miob3825 | 10336 | miob3885 |
| 10113 | miob3624 | 10169 | miob3692 | 10225 | miob3759 | 10281 | miob3826 | 10337 | miob3886 |
| 10114 | miob3625 | 10170 | miob3693 | 10226 | miob3760 | 10282 | miob3828 | 10338 | miob3887 |
| 10115 | miob3626 | 10171 | miob3695 | 10227 | miob3761 | 10283 | miob3829 | 10339 | miob3888 |
| 10116 | miob3627 | 10172 | miob3696 | 10228 | miob3762 | 10284 | miob3830 | 10340 | miob3889 |
| 10117 | miob3628 | 10173 | miob3697 | 10229 | miob3763 | 10285 | miob3831 | 10341 | miob3890 |
| 10118 | miob3629 | 10174 | miob3698 | 10230 | miob3765 | 10286 | miob3832 | 10342 | miob3891 |
| 10119 | miob3630 | 10175 | miob3700 | 10231 | miob3766 | 10287 | miob3833 | 10343 | miob3892 |
| 10120 | miob3631 | 10176 | miob3701 | 10232 | miob3767 | 10288 | miob3834 | 10344 | miob3893 |
| 10121 | miob3632 | 10177 | miob3702 | 10233 | miob3768 | 10289 | miob3835 | 10345 | miob3894 |
| 10122 | miob3634 | 10178 | miob3703 | 10234 | miob3769 | 10290 | miob3836 | 10346 | miob3895 |
| 10123 | miob3636 | 10179 | miob3704 | 10235 | miob3770 | 10291 | miob3837 | 10347 | miob3896 |
| 10124 | miob3637 | 10180 | miob3705 | 10236 | miob3771 | 10292 | miob3838 | 10348 | miob3897 |
| 10125 | miob3638 | 10181 | miob3706 | 10237 | miob3773 | 10293 | miob3839 | 10349 | miob3898 |
| 10126 | miob3639 | 10182 | miob3707 | 10238 | miob3774 | 10294 | miob3840 | 10350 | miob3899 |
| 10127 | miob3640 | 10183 | miob3708 | 10239 | miob3775 | 10295 | miob3841 | 10351 | miob3900 |
| 10128 | miob3641 | 10184 | miob3709 | 10240 | miob3776 | 10296 | miob3842 | 10352 | miob3901 |
| 10129 | miob3642 | 10185 | miob3710 | 10241 | miob3777 | 10297 | miob3843 | 10353 | miob3902 |
| 10130 | miob3643 | 10186 | miob3712 | 10242 | miob3778 | 10298 | miob3844 | 10354 | miob3904 |
| 10131 | miob3644 | 10187 | miob3713 | 10243 | miob3779 | 10299 | miob3845 | 10355 | miob3905 |
| 10132 | miob3645 | 10188 | miob3714 | 10244 | miob3781 | 10300 | miob3846 | 10356 | miob3906 |
| 10133 | miob3646 | 10189 | miob3715 | 10245 | miob3782 | 10301 | miob3847 | 10357 | miob3907 |
| 10134 | miob3648 | 10190 | miob3716 | 10246 | miob3784 | 10302 | miob3848 | 10358 | miob3908 |
| 10135 | miob3649 | 10191 | miob3718 | 10247 | miob3785 | 10303 | miob3849 | 10359 | miob3909 |
| 10136 | miob3650 | 10192 | miob3719 | 10248 | miob3787 | 10304 | miob3850 | 10360 | miob3910 |

Figure 6D - Continued

| | | | | | | | | | |
|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|
| 10361 | miob3911 | 10417 | miob3974 | 10473 | miob4034 | 10529 | miob4096 | 10585 | miob4159 |
| 10362 | miob3912 | 10418 | miob3975 | 10474 | miob4035 | 10530 | miob4097 | 10586 | miob4160 |
| 10363 | miob3913 | 10419 | miob3976 | 10475 | miob4036 | 10531 | miob4098 | 10587 | miob4162 |
| 10364 | miob3914 | 10420 | miob3977 | 10476 | miob4037 | 10532 | miob4099 | 10588 | miob4163 |
| 10365 | miob3915 | 10421 | miob3978 | 10477 | miob4038 | 10533 | miob4100 | 10589 | miob4165 |
| 10366 | miob3916 | 10422 | miob3979 | 10478 | miob4039 | 10534 | miob4101 | 10590 | miob4166 |
| 10367 | miob3917 | 10423 | miob3980 | 10479 | miob4040 | 10535 | miob4102 | 10591 | miob4167 |
| 10368 | miob3918 | 10424 | miob3981 | 10480 | miob4043 | 10536 | miob4103 | 10592 | miob4168 |
| 10369 | miob3919 | 10425 | miob3982 | 10481 | miob4045 | 10537 | miob4104 | 10593 | miob4169 |
| 10370 | miob3920 | 10426 | miob3983 | 10482 | miob4046 | 10538 | miob4106 | 10594 | miob4171 |
| 10371 | miob3921 | 10427 | miob3984 | 10483 | miob4047 | 10539 | miob4108 | 10595 | miob4172 |
| 10372 | miob3923 | 10428 | miob3985 | 10484 | miob4048 | 10540 | miob4109 | 10596 | miob4173 |
| 10373 | miob3925 | 10429 | miob3986 | 10485 | miob4049 | 10541 | miob4110 | 10597 | miob4174 |
| 10374 | miob3926 | 10430 | miob3987 | 10486 | miob4050 | 10542 | miob4111 | 10598 | miob4175 |
| 10375 | miob3927 | 10431 | miob3988 | 10487 | miob4051 | 10543 | miob4112 | 10599 | miob4176 |
| 10376 | miob3928 | 10432 | miob3989 | 10488 | miob4052 | 10544 | miob4114 | 10600 | miob4177 |
| 10377 | miob3929 | 10433 | miob3990 | 10489 | miob4053 | 10545 | miob4116 | 10601 | miob4178 |
| 10378 | miob3930 | 10434 | miob3991 | 10490 | miob4054 | 10546 | miob4117 | 10602 | miob4181 |
| 10379 | miob3932 | 10435 | miob3992 | 10491 | miob4055 | 10547 | miob4119 | 10603 | miob4182 |
| 10380 | miob3933 | 10436 | miob3993 | 10492 | miob4056 | 10548 | miob4120 | 10604 | miob4183 |
| 10381 | miob3934 | 10437 | miob3994 | 10493 | miob4057 | 10549 | miob4121 | 10605 | miob4184 |
| 10382 | miob3935 | 10438 | miob3995 | 10494 | miob4058 | 10550 | miob4122 | 10606 | miob4185 |
| 10383 | miob3937 | 10439 | miob3996 | 10495 | miob4059 | 10551 | miob4124 | 10607 | miob4186 |
| 10384 | miob3938 | 10440 | miob4000 | 10496 | miob4060 | 10552 | miob4125 | 10608 | miob4187 |
| 10385 | miob3939 | 10441 | miob4001 | 10497 | miob4061 | 10553 | miob4126 | 10609 | miob4188 |
| 10386 | miob3940 | 10442 | miob4002 | 10498 | miob4062 | 10554 | miob4127 | 10610 | miob4189 |
| 10387 | miob3941 | 10443 | miob4003 | 10499 | miob4064 | 10555 | miob4128 | 10611 | miob4190 |
| 10388 | miob3942 | 10444 | miob4004 | 10500 | miob4065 | 10556 | miob4129 | 10612 | miob4192 |
| 10389 | miob3943 | 10445 | miob4005 | 10501 | miob4066 | 10557 | miob4130 | 10613 | miob4194 |
| 10390 | miob3944 | 10446 | miob4006 | 10502 | miob4067 | 10558 | miob4131 | 10614 | miob4195 |
| 10391 | miob3945 | 10447 | miob4007 | 10503 | miob4068 | 10559 | miob4132 | 10615 | miob4196 |
| 10392 | miob3946 | 10448 | miob4008 | 10504 | miob4069 | 10560 | miob4133 | 10616 | miob4197 |
| 10393 | miob3947 | 10449 | miob4009 | 10505 | miob4070 | 10561 | miob4134 | 10617 | miob4198 |
| 10394 | miob3948 | 10450 | miob4010 | 10506 | miob4071 | 10562 | miob4135 | 10618 | miob4199 |
| 10395 | miob3950 | 10451 | miob4011 | 10507 | miob4073 | 10563 | miob4136 | 10619 | miob4200 |
| 10396 | miob3951 | 10452 | miob4012 | 10508 | miob4074 | 10564 | miob4137 | 10620 | miob4201 |
| 10397 | miob3952 | 10453 | miob4013 | 10509 | miob4075 | 10565 | miob4138 | 10621 | miob4202 |
| 10398 | miob3953 | 10454 | miob4014 | 10510 | miob4076 | 10566 | miob4139 | 10622 | miob4203 |
| 10399 | miob3954 | 10455 | miob4015 | 10511 | miob4077 | 10567 | miob4140 | 10623 | miob4204 |
| 10400 | miob3955 | 10456 | miob4016 | 10512 | miob4078 | 10568 | miob4141 | 10624 | miob4205 |
| 10401 | miob3956 | 10457 | miob4017 | 10513 | miob4079 | 10569 | miob4142 | 10625 | miob4206 |
| 10402 | miob3958 | 10458 | miob4019 | 10514 | miob4080 | 10570 | miob4143 | 10626 | miob4207 |
| 10403 | miob3959 | 10459 | miob4020 | 10515 | miob4081 | 10571 | miob4144 | 10627 | miob4208 |
| 10404 | miob3960 | 10460 | miob4021 | 10516 | miob4082 | 10572 | miob4145 | 10628 | miob4210 |
| 10405 | miob3961 | 10461 | miob4022 | 10517 | miob4083 | 10573 | miob4146 | 10629 | miob4211 |
| 10406 | miob3962 | 10462 | miob4023 | 10518 | miob4084 | 10574 | miob4147 | 10630 | miob4212 |
| 10407 | miob3963 | 10463 | miob4024 | 10519 | miob4085 | 10575 | miob4148 | 10631 | miob4213 |
| 10408 | miob3964 | 10464 | miob4025 | 10520 | miob4086 | 10576 | miob4149 | 10632 | miob4214 |
| 10409 | miob3965 | 10465 | miob4026 | 10521 | miob4087 | 10577 | miob4150 | 10633 | miob4217 |
| 10410 | miob3966 | 10466 | miob4027 | 10522 | miob4088 | 10578 | miob4151 | 10634 | miob4218 |
| 10411 | miob3967 | 10467 | miob4028 | 10523 | miob4089 | 10579 | miob4152 | 10635 | miob4220 |
| 10412 | miob3968 | 10468 | miob4029 | 10524 | miob4090 | 10580 | miob4153 | 10636 | miob4221 |
| 10413 | miob3969 | 10469 | miob4030 | 10525 | miob4091 | 10581 | miob4154 | 10637 | miob4222 |
| 10414 | miob3970 | 10470 | miob4031 | 10526 | miob4092 | 10582 | miob4156 | 10638 | miob4223 |
| 10415 | miob3972 | 10471 | miob4032 | 10527 | miob4093 | 10583 | miob4157 | 10639 | miob4224 |
| 10416 | miob3973 | 10472 | miob4033 | 10528 | miob4094 | 10584 | miob4158 | 10640 | miob4225 |

Figure 6D – Continued

| | | | | | | | | | |
|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|
| 10641 | miob4226 | 10697 | miob4289 | 10753 | miob4354 | 10809 | miob4418 | 10865 | miob4485 |
| 10642 | miob4227 | 10698 | miob4290 | 10754 | miob4355 | 10810 | miob4419 | 10866 | miob4487 |
| 10643 | miob4228 | 10699 | miob4291 | 10755 | miob4356 | 10811 | miob4420 | 10867 | miob4488 |
| 10644 | miob4229 | 10700 | miob4292 | 10756 | miob4357 | 10812 | miob4421 | 10868 | miob4489 |
| 10645 | miob4230 | 10701 | miob4293 | 10757 | miob4358 | 10813 | miob4422 | 10869 | miob4490 |
| 10646 | miob4231 | 10702 | miob4294 | 10758 | miob4359 | 10814 | miob4423 | 10870 | miob4492 |
| 10647 | miob4232 | 10703 | miob4295 | 10759 | miob4360 | 10815 | miob4424 | 10871 | miob4494 |
| 10648 | miob4234 | 10704 | miob4296 | 10760 | miob4361 | 10816 | miob4425 | 10872 | miob4495 |
| 10649 | miob4235 | 10705 | miob4297 | 10761 | miob4362 | 10817 | miob4427 | 10873 | miob4496 |
| 10650 | miob4236 | 10706 | miob4298 | 10762 | miob4363 | 10818 | miob4428 | 10874 | miob4500 |
| 10651 | miob4237 | 10707 | miob4300 | 10763 | miob4364 | 10819 | miob4429 | 10875 | miob4501 |
| 10652 | miob4238 | 10708 | miob4302 | 10764 | miob4365 | 10820 | miob4430 | 10876 | miob4503 |
| 10653 | miob4239 | 10709 | miob4303 | 10765 | miob4367 | 10821 | miob4431 | 10877 | miob4504 |
| 10654 | miob4240 | 10710 | miob4305 | 10766 | miob4368 | 10822 | miob4433 | 10878 | miob4505 |
| 10655 | miob4242 | 10711 | miob4306 | 10767 | miob4369 | 10823 | miob4434 | 10879 | miob4506 |
| 10656 | miob4243 | 10712 | miob4307 | 10768 | miob4370 | 10824 | miob4435 | 10880 | miob4507 |
| 10657 | miob4244 | 10713 | miob4308 | 10769 | miob4371 | 10825 | miob4436 | 10881 | miob4508 |
| 10658 | miob4245 | 10714 | miob4309 | 10770 | miob4373 | 10826 | miob4437 | 10882 | miob4509 |
| 10659 | miob4246 | 10715 | miob4310 | 10771 | miob4374 | 10827 | miob4438 | 10883 | miob4511 |
| 10660 | miob4248 | 10716 | miob4311 | 10772 | miob4377 | 10828 | miob4439 | 10884 | miob4512 |
| 10661 | miob4249 | 10717 | miob4312 | 10773 | miob4378 | 10829 | miob4440 | 10885 | miob4513 |
| 10662 | miob4250 | 10718 | miob4313 | 10774 | miob4380 | 10830 | miob4441 | 10886 | miob4514 |
| 10663 | miob4251 | 10719 | miob4314 | 10775 | miob4381 | 10831 | miob4442 | 10887 | miob4516 |
| 10664 | miob4252 | 10720 | miob4315 | 10776 | miob4382 | 10832 | miob4443 | 10888 | miob4518 |
| 10665 | miob4253 | 10721 | miob4316 | 10777 | miob4384 | 10833 | miob4444 | 10889 | miob4520 |
| 10666 | miob4254 | 10722 | miob4317 | 10778 | miob4385 | 10834 | miob4445 | 10890 | miob4521 |
| 10667 | miob4255 | 10723 | miob4318 | 10779 | miob4386 | 10835 | miob4446 | 10891 | miob4522 |
| 10668 | miob4257 | 10724 | miob4320 | 10780 | miob4387 | 10836 | miob4447 | 10892 | miob4524 |
| 10669 | miob4258 | 10725 | miob4321 | 10781 | miob4389 | 10837 | miob4448 | 10893 | miob4526 |
| 10670 | miob4259 | 10726 | miob4322 | 10782 | miob4390 | 10838 | miob4451 | 10894 | miob4527 |
| 10671 | miob4260 | 10727 | miob4323 | 10783 | miob4391 | 10839 | miob4452 | 10895 | miob4528 |
| 10672 | miob4261 | 10728 | miob4324 | 10784 | miob4392 | 10840 | miob4456 | 10896 | miob4529 |
| 10673 | miob4262 | 10729 | miob4326 | 10785 | miob4394 | 10841 | miob4457 | 10897 | miob4530 |
| 10674 | miob4263 | 10730 | miob4328 | 10786 | miob4395 | 10842 | miob4458 | 10898 | miob4531 |
| 10675 | miob4264 | 10731 | miob4329 | 10787 | miob4396 | 10843 | miob4459 | 10899 | miob4535 |
| 10676 | miob4265 | 10732 | miob4330 | 10788 | miob4397 | 10844 | miob4460 | 10900 | miob4536 |
| 10677 | miob4266 | 10733 | miob4331 | 10789 | miob4398 | 10845 | miob4462 | 10901 | miob4538 |
| 10678 | miob4267 | 10734 | miob4332 | 10790 | miob4399 | 10846 | miob4463 | 10902 | miob4540 |
| 10679 | miob4268 | 10735 | miob4333 | 10791 | miob4400 | 10847 | miob4464 | 10903 | miob4541 |
| 10680 | miob4269 | 10736 | miob4334 | 10792 | miob4401 | 10848 | miob4465 | 10904 | miob4542 |
| 10681 | miob4270 | 10737 | miob4335 | 10793 | miob4402 | 10849 | miob4466 | 10905 | miob4543 |
| 10682 | miob4271 | 10738 | miob4336 | 10794 | miob4403 | 10850 | miob4467 | 10906 | miob4545 |
| 10683 | miob4272 | 10739 | miob4338 | 10795 | miob4404 | 10851 | miob4468 | 10907 | miob4547 |
| 10684 | miob4273 | 10740 | miob4339 | 10796 | miob4405 | 10852 | miob4469 | 10908 | miob4549 |
| 10685 | miob4274 | 10741 | miob4340 | 10797 | miob4406 | 10853 | miob4470 | 10909 | miob4550 |
| 10686 | miob4275 | 10742 | miob4341 | 10798 | miob4407 | 10854 | miob4471 | 10910 | miob4551 |
| 10687 | miob4276 | 10743 | miob4342 | 10799 | miob4408 | 10855 | miob4473 | 10911 | miob4554 |
| 10688 | miob4277 | 10744 | miob4343 | 10800 | miob4409 | 10856 | miob4475 | 10912 | miob4555 |
| 10689 | miob4278 | 10745 | miob4344 | 10801 | miob4410 | 10857 | miob4476 | 10913 | miob4556 |
| 10690 | miob4279 | 10746 | miob4345 | 10802 | miob4411 | 10858 | miob4477 | 10914 | miob4557 |
| 10691 | miob4280 | 10747 | miob4346 | 10803 | miob4412 | 10859 | miob4478 | 10915 | miob4558 |
| 10692 | miob4281 | 10748 | miob4347 | 10804 | miob4413 | 10860 | miob4480 | 10916 | miob4559 |
| 10693 | miob4282 | 10749 | miob4349 | 10805 | miob4414 | 10861 | miob4481 | 10917 | miob4561 |
| 10694 | miob4283 | 10750 | miob4351 | 10806 | miob4415 | 10862 | miob4482 | 10918 | miob4563 |
| 10695 | miob4285 | 10751 | miob4352 | 10807 | miob4416 | 10863 | miob4483 | 10919 | miob4564 |
| 10696 | miob4286 | 10752 | miob4353 | 10808 | miob4417 | 10864 | miob4484 | 10920 | miob4565 |

Figure 6D – Continued

| | | | | | | | | | |
|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|
| 10921 | miob4566 | 10977 | miob4629 | 11033 | miob4692 | 11089 | miob4759 | 11145 | miob4830 |
| 10922 | miob4567 | 10978 | miob4630 | 11034 | miob4693 | 11090 | miob4760 | 11146 | miob4832 |
| 10923 | miob4568 | 10979 | miob4631 | 11035 | miob4694 | 11091 | miob4761 | 11147 | miob4833 |
| 10924 | miob4569 | 10980 | miob4633 | 11036 | miob4695 | 11092 | miob4762 | 11148 | miob4834 |
| 10925 | miob4570 | 10981 | miob4634 | 11037 | miob4696 | 11093 | miob4763 | 11149 | miob4835 |
| 10926 | miob4572 | 10982 | miob4635 | 11038 | miob4697 | 11094 | miob4764 | 11150 | miob4836 |
| 10927 | miob4573 | 10983 | miob4636 | 11039 | miob4699 | 11095 | miob4765 | 11151 | miob4837 |
| 10928 | miob4574 | 10984 | miob4637 | 11040 | miob4700 | 11096 | miob4767 | 11152 | miob4838 |
| 10929 | miob4575 | 10985 | miob4639 | 11041 | miob4701 | 11097 | miob4768 | 11153 | miob4839 |
| 10930 | miob4576 | 10986 | miob4641 | 11042 | miob4702 | 11098 | miob4770 | 11154 | miob4840 |
| 10931 | miob4577 | 10987 | miob4642 | 11043 | miob4703 | 11099 | miob4772 | 11155 | miob4841 |
| 10932 | miob4578 | 10988 | miob4643 | 11044 | miob4704 | 11100 | miob4773 | 11156 | miob4842 |
| 10933 | miob4579 | 10989 | miob4644 | 11045 | miob4705 | 11101 | miob4774 | 11157 | miob4843 |
| 10934 | miob4580 | 10990 | miob4645 | 11046 | miob4708 | 11102 | miob4775 | 11158 | miob4844 |
| 10935 | miob4581 | 10991 | miob4646 | 11047 | miob4709 | 11103 | miob4776 | 11159 | miob4845 |
| 10936 | miob4582 | 10992 | miob4648 | 11048 | miob4710 | 11104 | miob4777 | 11160 | miob4846 |
| 10937 | miob4583 | 10993 | miob4649 | 11049 | miob4712 | 11105 | miob4778 | 11161 | miob4847 |
| 10938 | miob4584 | 10994 | miob4651 | 11050 | miob4713 | 11106 | miob4779 | 11162 | miob4848 |
| 10939 | miob4586 | 10995 | miob4652 | 11051 | miob4714 | 11107 | miob4780 | 11163 | miob4849 |
| 10940 | miob4588 | 10996 | miob4653 | 11052 | miob4715 | 11108 | miob4781 | 11164 | miob4850 |
| 10941 | miob4589 | 10997 | miob4654 | 11053 | miob4716 | 11109 | miob4782 | 11165 | miob4851 |
| 10942 | miob4590 | 10998 | miob4655 | 11054 | miob4717 | 11110 | miob4783 | 11166 | miob4852 |
| 10943 | miob4591 | 10999 | miob4656 | 11055 | miob4719 | 11111 | miob4784 | 11167 | miob4853 |
| 10944 | miob4592 | 11000 | miob4657 | 11056 | miob4720 | 11112 | miob4786 | 11168 | miob4854 |
| 10945 | miob4593 | 11001 | miob4658 | 11057 | miob4721 | 11113 | miob4787 | 11169 | miob4855 |
| 10946 | miob4594 | 11002 | miob4659 | 11058 | miob4722 | 11114 | miob4788 | 11170 | miob4856 |
| 10947 | miob4595 | 11003 | miob4661 | 11059 | miob4723 | 11115 | miob4791 | 11171 | miob4857 |
| 10948 | miob4596 | 11004 | miob4662 | 11060 | miob4724 | 11116 | miob4792 | 11172 | miob4858 |
| 10949 | miob4597 | 11005 | miob4663 | 11061 | miob4725 | 11117 | miob4793 | 11173 | miob4859 |
| 10950 | miob4598 | 11006 | miob4664 | 11062 | miob4726 | 11118 | miob4794 | 11174 | miob4860 |
| 10951 | miob4599 | 11007 | miob4665 | 11063 | miob4727 | 11119 | miob4796 | 11175 | miob4861 |
| 10952 | miob4600 | 11008 | miob4666 | 11064 | miob4729 | 11120 | miob4797 | 11176 | miob4862 |
| 10953 | miob4601 | 11009 | miob4667 | 11065 | miob4730 | 11121 | miob4798 | 11177 | miob4863 |
| 10954 | miob4602 | 11010 | miob4668 | 11066 | miob4733 | 11122 | miob4801 | 11178 | miob4864 |
| 10955 | miob4603 | 11011 | miob4669 | 11067 | miob4735 | 11123 | miob4802 | 11179 | miob4866 |
| 10956 | miob4604 | 11012 | miob4670 | 11068 | miob4736 | 11124 | miob4803 | 11180 | miob4867 |
| 10957 | miob4606 | 11013 | miob4671 | 11069 | miob4737 | 11125 | miob4806 | 11181 | miob4869 |
| 10958 | miob4607 | 11014 | miob4672 | 11070 | miob4738 | 11126 | miob4807 | 11182 | miob4870 |
| 10959 | miob4608 | 11015 | miob4673 | 11071 | miob4739 | 11127 | miob4808 | 11183 | miob4871 |
| 10960 | miob4609 | 11016 | miob4674 | 11072 | miob4740 | 11128 | miob4809 | 11184 | miob4872 |
| 10961 | miob4610 | 11017 | miob4675 | 11073 | miob4741 | 11129 | miob4810 | 11185 | miob4873 |
| 10962 | miob4611 | 11018 | miob4676 | 11074 | miob4742 | 11130 | miob4811 | 11186 | miob4874 |
| 10963 | miob4612 | 11019 | miob4677 | 11075 | miob4743 | 11131 | miob4812 | 11187 | miob4875 |
| 10964 | miob4613 | 11020 | miob4678 | 11076 | miob4744 | 11132 | miob4813 | 11188 | miob4876 |
| 10965 | miob4615 | 11021 | miob4679 | 11077 | miob4745 | 11133 | miob4815 | 11189 | miob4877 |
| 10966 | miob4616 | 11022 | miob4680 | 11078 | miob4746 | 11134 | miob4816 | 11190 | miob4878 |
| 10967 | miob4617 | 11023 | miob4681 | 11079 | miob4748 | 11135 | miob4817 | 11191 | miob4879 |
| 10968 | miob4619 | 11024 | miob4682 | 11080 | miob4750 | 11136 | miob4818 | 11192 | miob4882 |
| 10969 | miob4620 | 11025 | miob4684 | 11081 | miob4751 | 11137 | miob4819 | 11193 | miob4883 |
| 10970 | miob4621 | 11026 | miob4685 | 11082 | miob4752 | 11138 | miob4820 | 11194 | miob4884 |
| 10971 | miob4622 | 11027 | miob4686 | 11083 | miob4753 | 11139 | miob4821 | 11195 | miob4885 |
| 10972 | miob4623 | 11028 | miob4687 | 11084 | miob4754 | 11140 | miob4822 | 11196 | miob4886 |
| 10973 | miob4624 | 11029 | miob4688 | 11085 | miob4755 | 11141 | miob4824 | 11197 | miob4887 |
| 10974 | miob4625 | 11030 | miob4689 | 11086 | miob4756 | 11142 | miob4825 | 11198 | miob4889 |
| 10975 | miob4627 | 11031 | miob4690 | 11087 | miob4757 | 11143 | miob4826 | 11199 | miob4890 |
| 10976 | miob4628 | 11032 | miob4691 | 11088 | miob4758 | 11144 | miob4828 | 11200 | miob4891 |

Figure 6D – Continued

| | | | | | | | | | |
|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|
| 11201 | miob4892 | 11257 | miob4964 | 11313 | miob5028 | 11369 | miob5101 | 11425 | miob5451 |
| 11202 | miob4893 | 11258 | miob4965 | 11314 | miob5029 | 11370 | miob5102 | 11426 | miob5452 |
| 11203 | miob4894 | 11259 | miob4966 | 11315 | miob5031 | 11371 | miob5104 | 11427 | miob5453 |
| 11204 | miob4895 | 11260 | miob4967 | 11316 | miob5032 | 11372 | miob5105 | 11428 | miob5454 |
| 11205 | miob4896 | 11261 | miob4968 | 11317 | miob5034 | 11373 | miob5107 | 11429 | miob5456 |
| 11206 | miob4897 | 11262 | miob4969 | 11318 | miob5035 | 11374 | miob5108 | 11430 | miob5458 |
| 11207 | miob4899 | 11263 | miob4970 | 11319 | miob5036 | 11375 | miob5109 | 11431 | miob5459 |
| 11208 | miob4900 | 11264 | miob4971 | 11320 | miob5037 | 11376 | miob5110 | 11432 | miob5460 |
| 11209 | miob4902 | 11265 | miob4973 | 11321 | miob5038 | 11377 | miob5111 | 11433 | miob5461 |
| 11210 | miob4906 | 11266 | miob4974 | 11322 | miob5040 | 11378 | miob5112 | 11434 | miob5462 |
| 11211 | miob4907 | 11267 | miob4975 | 11323 | miob5041 | 11379 | miob5114 | 11435 | miob5463 |
| 11212 | miob4908 | 11268 | miob4976 | 11324 | miob5043 | 11380 | miob5115 | 11436 | miob5464 |
| 11213 | miob4909 | 11269 | miob4977 | 11325 | miob5044 | 11381 | miob5116 | 11437 | miob5465 |
| 11214 | miob4910 | 11270 | miob4978 | 11326 | miob5045 | 11382 | miob5117 | 11438 | miob5467 |
| 11215 | miob4911 | 11271 | miob4979 | 11327 | miob5046 | 11383 | miob5118 | 11439 | miob5469 |
| 11216 | miob4912 | 11272 | miob4980 | 11328 | miob5047 | 11384 | miob5119 | 11440 | miob5470 |
| 11217 | miob4913 | 11273 | miob4981 | 11329 | miob5048 | 11385 | miob5120 | 11441 | miob5472 |
| 11218 | miob4914 | 11274 | miob4983 | 11330 | miob5049 | 11386 | miob5122 | 11442 | miob5474 |
| 11219 | miob4915 | 11275 | miob4984 | 11331 | miob5050 | 11387 | miob5123 | 11443 | miob5475 |
| 11220 | miob4917 | 11276 | miob4985 | 11332 | miob5051 | 11388 | miob5124 | 11444 | miob5476 |
| 11221 | miob4918 | 11277 | miob4987 | 11333 | miob5054 | 11389 | miob5125 | 11445 | miob5477 |
| 11222 | miob4919 | 11278 | miob4988 | 11334 | miob5055 | 11390 | miob5126 | 11446 | miob5478 |
| 11223 | miob4920 | 11279 | miob4989 | 11335 | miob5056 | 11391 | miob5127 | 11447 | miob5479 |
| 11224 | miob4923 | 11280 | miob4990 | 11336 | miob5057 | 11392 | miob5128 | 11448 | miob5480 |
| 11225 | miob4924 | 11281 | miob4991 | 11337 | miob5059 | 11393 | miob5129 | 11449 | miob5485 |
| 11226 | miob4925 | 11282 | miob4992 | 11338 | miob5060 | 11394 | miob5410 | 11450 | miob5486 |
| 11227 | miob4926 | 11283 | miob4993 | 11339 | miob5061 | 11395 | miob5411 | 11451 | miob5487 |
| 11228 | miob4927 | 11284 | miob4994 | 11340 | miob5062 | 11396 | miob5412 | 11452 | miob5488 |
| 11229 | miob4928 | 11285 | miob4995 | 11341 | miob5063 | 11397 | miob5414 | 11453 | miob5489 |
| 11230 | miob4929 | 11286 | miob4996 | 11342 | miob5065 | 11398 | miob5415 | 11454 | miob5490 |
| 11231 | miob4930 | 11287 | miob4997 | 11343 | miob5066 | 11399 | miob5417 | 11455 | miob5491 |
| 11232 | miob4931 | 11288 | miob4998 | 11344 | miob5067 | 11400 | miob5418 | 11456 | miob5493 |
| 11233 | miob4932 | 11289 | miob4999 | 11345 | miob5068 | 11401 | miob5420 | 11457 | miob5494 |
| 11234 | miob4933 | 11290 | miob5000 | 11346 | miob5069 | 11402 | miob5422 | 11458 | miob5495 |
| 11235 | miob4934 | 11291 | miob5001 | 11347 | miob5071 | 11403 | miob5424 | 11459 | miob5496 |
| 11236 | miob4935 | 11292 | miob5003 | 11348 | miob5072 | 11404 | miob5425 | 11460 | miob5498 |
| 11237 | miob4936 | 11293 | miob5004 | 11349 | miob5073 | 11405 | miob5426 | 11461 | miob5499 |
| 11238 | miob4937 | 11294 | miob5005 | 11350 | miob5074 | 11406 | miob5427 | 11462 | miob5500 |
| 11239 | miob4938 | 11295 | miob5006 | 11351 | miob5076 | 11407 | miob5428 | 11463 | miob5502 |
| 11240 | miob4939 | 11296 | miob5007 | 11352 | miob5077 | 11408 | miob5429 | 11464 | miob5504 |
| 11241 | miob4940 | 11297 | miob5008 | 11353 | miob5079 | 11409 | miob5430 | 11465 | miob5505 |
| 11242 | miob4945 | 11298 | miob5009 | 11354 | miob5080 | 11410 | miob5431 | 11466 | miob5602 |
| 11243 | miob4948 | 11299 | miob5010 | 11355 | miob5081 | 11411 | miob5432 | 11467 | miob5604 |
| 11244 | miob4949 | 11300 | miob5011 | 11356 | miob5082 | 11412 | miob5434 | 11468 | miob5605 |
| 11245 | miob4950 | 11301 | miob5012 | 11357 | miob5083 | 11413 | miob5435 | 11469 | miob5606 |
| 11246 | miob4952 | 11302 | miob5013 | 11358 | miob5087 | 11414 | miob5436 | 11470 | miob5607 |
| 11247 | miob4953 | 11303 | miob5014 | 11359 | miob5089 | 11415 | miob5437 | 11471 | miob5608 |
| 11248 | miob4954 | 11304 | miob5015 | 11360 | miob5090 | 11416 | miob5439 | 11472 | miob5609 |
| 11249 | miob4955 | 11305 | miob5016 | 11361 | miob5091 | 11417 | miob5440 | 11473 | miob5610 |
| 11250 | miob4956 | 11306 | miob5018 | 11362 | miob5092 | 11418 | miob5443 | 11474 | miob5611 |
| 11251 | miob4957 | 11307 | miob5019 | 11363 | miob5093 | 11419 | miob5444 | 11475 | miob5612 |
| 11252 | miob4958 | 11308 | miob5020 | 11364 | miob5094 | 11420 | miob5445 | 11476 | miob5613 |
| 11253 | miob4959 | 11309 | miob5021 | 11365 | miob5095 | 11421 | miob5446 | 11477 | miob5614 |
| 11254 | miob4960 | 11310 | miob5022 | 11366 | miob5098 | 11422 | miob5447 | 11478 | miob5615 |
| 11255 | miob4961 | 11311 | miob5025 | 11367 | miob5099 | 11423 | miob5448 | 11479 | miob5616 |
| 11256 | miob4963 | 11312 | miob5026 | 11368 | miob5100 | 11424 | miob5449 | 11480 | miob5617 |

Figure 6D – Continued

| | | | | | | | | | |
|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|
| 11481 | miob5618 | 11537 | miob5681 | 11593 | miob5748 | 11649 | miob5813 | 11705 | miob5874 |
| 11482 | miob5621 | 11538 | miob5683 | 11594 | miob5749 | 11650 | miob5814 | 11706 | miob5875 |
| 11483 | miob5622 | 11539 | miob5684 | 11595 | miob5750 | 11651 | miob5815 | 11707 | miob5876 |
| 11484 | miob5623 | 11540 | miob5685 | 11596 | miob5751 | 11652 | miob5816 | 11708 | miob5877 |
| 11485 | miob5624 | 11541 | miob5686 | 11597 | miob5752 | 11653 | miob5817 | 11709 | miob5878 |
| 11486 | miob5625 | 11542 | miob5687 | 11598 | miob5753 | 11654 | miob5818 | 11710 | miob5879 |
| 11487 | miob5626 | 11543 | miob5688 | 11599 | miob5754 | 11655 | miob5819 | 11711 | miob5880 |
| 11488 | miob5627 | 11544 | miob5690 | 11600 | miob5755 | 11656 | miob5820 | 11712 | miob5881 |
| 11489 | miob5628 | 11545 | miob5691 | 11601 | miob5757 | 11657 | miob5821 | 11713 | miob5883 |
| 11490 | miob5629 | 11546 | miob5692 | 11602 | miob5758 | 11658 | miob5822 | 11714 | miob5884 |
| 11491 | miob5630 | 11547 | miob5694 | 11603 | miob5759 | 11659 | miob5824 | 11715 | miob5885 |
| 11492 | miob5632 | 11548 | miob5695 | 11604 | miob5760 | 11660 | miob5825 | 11716 | miob5886 |
| 11493 | miob5633 | 11549 | miob5696 | 11605 | miob5761 | 11661 | miob5826 | 11717 | miob5887 |
| 11494 | miob5635 | 11550 | miob5697 | 11606 | miob5762 | 11662 | miob5827 | 11718 | miob5888 |
| 11495 | miob5636 | 11551 | miob5698 | 11607 | miob5763 | 11663 | miob5828 | 11719 | miob5889 |
| 11496 | miob5638 | 11552 | miob5699 | 11608 | miob5764 | 11664 | miob5829 | 11720 | miob5890 |
| 11497 | miob5639 | 11553 | miob5700 | 11609 | miob5765 | 11665 | miob5830 | 11721 | miob5891 |
| 11498 | miob5640 | 11554 | miob5701 | 11610 | miob5766 | 11666 | miob5832 | 11722 | miob5892 |
| 11499 | miob5641 | 11555 | miob5702 | 11611 | miob5769 | 11667 | miob5833 | 11723 | miob5893 |
| 11500 | miob5642 | 11556 | miob5703 | 11612 | miob5770 | 11668 | miob5834 | 11724 | miob5894 |
| 11501 | miob5643 | 11557 | miob5704 | 11613 | miob5771 | 11669 | miob5835 | 11725 | miob5895 |
| 11502 | miob5644 | 11558 | miob5705 | 11614 | miob5772 | 11670 | miob5836 | 11726 | miob5896 |
| 11503 | miob5645 | 11559 | miob5706 | 11615 | miob5773 | 11671 | miob5837 | 11727 | miob5897 |
| 11504 | miob5646 | 11560 | miob5707 | 11616 | miob5774 | 11672 | miob5839 | 11728 | miob5898 |
| 11505 | miob5647 | 11561 | miob5708 | 11617 | miob5775 | 11673 | miob5840 | 11729 | miob5899 |
| 11506 | miob5648 | 11562 | miob5709 | 11618 | miob5776 | 11674 | miob5841 | 11730 | miob5900 |
| 11507 | miob5649 | 11563 | miob5710 | 11619 | miob5777 | 11675 | miob5842 | 11731 | miob5901 |
| 11508 | miob5650 | 11564 | miob5712 | 11620 | miob5778 | 11676 | miob5843 | 11732 | miob5903 |
| 11509 | miob5652 | 11565 | miob5713 | 11621 | miob5779 | 11677 | miob5844 | 11733 | miob5904 |
| 11510 | miob5653 | 11566 | miob5714 | 11622 | miob5780 | 11678 | miob5845 | 11734 | miob5905 |
| 11511 | miob5654 | 11567 | miob5716 | 11623 | miob5781 | 11679 | miob5846 | 11735 | miob5906 |
| 11512 | miob5655 | 11568 | miob5718 | 11624 | miob5782 | 11680 | miob5847 | 11736 | miob5907 |
| 11513 | miob5656 | 11569 | miob5719 | 11625 | miob5783 | 11681 | miob5848 | 11737 | miob5908 |
| 11514 | miob5657 | 11570 | miob5720 | 11626 | miob5784 | 11682 | miob5849 | 11738 | miob5909 |
| 11515 | miob5658 | 11571 | miob5721 | 11627 | miob5785 | 11683 | miob5850 | 11739 | miob5910 |
| 11516 | miob5659 | 11572 | miob5722 | 11628 | miob5786 | 11684 | miob5851 | 11740 | miob5911 |
| 11517 | miob5660 | 11573 | miob5723 | 11629 | miob5787 | 11685 | miob5852 | 11741 | miob5912 |
| 11518 | miob5661 | 11574 | miob5724 | 11630 | miob5788 | 11686 | miob5853 | 11742 | miob5913 |
| 11519 | miob5663 | 11575 | miob5725 | 11631 | miob5789 | 11687 | miob5854 | 11743 | miob5914 |
| 11520 | miob5664 | 11576 | miob5728 | 11632 | miob5791 | 11688 | miob5855 | 11744 | miob5915 |
| 11521 | miob5665 | 11577 | miob5729 | 11633 | miob5793 | 11689 | miob5856 | 11745 | miob5916 |
| 11522 | miob5666 | 11578 | miob5730 | 11634 | miob5794 | 11690 | miob5857 | 11746 | miob5917 |
| 11523 | miob5667 | 11579 | miob5731 | 11635 | miob5795 | 11691 | miob5858 | 11747 | miob5920 |
| 11524 | miob5668 | 11580 | miob5732 | 11636 | miob5796 | 11692 | miob5859 | 11748 | miob5921 |
| 11525 | miob5669 | 11581 | miob5733 | 11637 | miob5797 | 11693 | miob5860 | 11749 | miob5922 |
| 11526 | miob5670 | 11582 | miob5734 | 11638 | miob5798 | 11694 | miob5861 | 11750 | miob5923 |
| 11527 | miob5671 | 11583 | miob5735 | 11639 | miob5799 | 11695 | miob5862 | 11751 | miob5924 |
| 11528 | miob5672 | 11584 | miob5736 | 11640 | miob5801 | 11696 | miob5863 | 11752 | miob5925 |
| 11529 | miob5673 | 11585 | miob5739 | 11641 | miob5802 | 11697 | miob5864 | 11753 | miob5927 |
| 11530 | miob5674 | 11586 | miob5740 | 11642 | miob5803 | 11698 | miob5866 | 11754 | miob5928 |
| 11531 | miob5675 | 11587 | miob5741 | 11643 | miob5804 | 11699 | miob5867 | 11755 | miob5929 |
| 11532 | miob5676 | 11588 | miob5743 | 11644 | miob5806 | 11700 | miob5868 | 11756 | miob5930 |
| 11533 | miob5677 | 11589 | miob5744 | 11645 | miob5808 | 11701 | miob5869 | 11757 | miob5931 |
| 11534 | miob5678 | 11590 | miob5745 | 11646 | miob5809 | 11702 | miob5870 | 11758 | miob5932 |
| 11535 | miob5679 | 11591 | miob5746 | 11647 | miob5810 | 11703 | miob5871 | 11759 | miob5934 |
| 11536 | miob5680 | 11592 | miob5747 | 11648 | miob5812 | 11704 | miob5873 | 11760 | miob5936 |

Figure 6D – Continued

| | | | | | | | | | |
|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|
| 11761 | miob5937 | 11817 | miob5999 | 11873 | miob6070 | 11929 | miob6132 | 11985 | miob6208 |
| 11762 | miob5938 | 11818 | miob6000 | 11874 | miob6071 | 11930 | miob6134 | 11986 | miob6209 |
| 11763 | miob5939 | 11819 | miob6001 | 11875 | miob6072 | 11931 | miob6136 | 11987 | miob6211 |
| 11764 | miob5940 | 11820 | miob6002 | 11876 | miob6074 | 11932 | miob6137 | 11988 | miob6212 |
| 11765 | miob5941 | 11821 | miob6004 | 11877 | miob6075 | 11933 | miob6138 | 11989 | miob6213 |
| 11766 | miob5942 | 11822 | miob6005 | 11878 | miob6076 | 11934 | miob6139 | 11990 | miob6215 |
| 11767 | miob5943 | 11823 | miob6006 | 11879 | miob6077 | 11935 | miob6140 | 11991 | miob6216 |
| 11768 | miob5945 | 11824 | miob6007 | 11880 | miob6078 | 11936 | miob6141 | 11992 | miob6219 |
| 11769 | miob5946 | 11825 | miob6008 | 11881 | miob6079 | 11937 | miob6142 | 11993 | miob6220 |
| 11770 | miob5947 | 11826 | miob6009 | 11882 | miob6080 | 11938 | miob6143 | 11994 | miob6221 |
| 11771 | miob5948 | 11827 | miob6010 | 11883 | miob6081 | 11939 | miob6144 | 11995 | miob6222 |
| 11772 | miob5949 | 11828 | miob6011 | 11884 | miob6082 | 11940 | miob6145 | 11996 | miob6223 |
| 11773 | miob5950 | 11829 | miob6013 | 11885 | miob6085 | 11941 | miob6146 | 11997 | miob6224 |
| 11774 | miob5951 | 11830 | miob6014 | 11886 | miob6086 | 11942 | miob6147 | 11998 | miob6226 |
| 11775 | miob5952 | 11831 | miob6016 | 11887 | miob6087 | 11943 | miob6148 | 11999 | miob6227 |
| 11776 | miob5953 | 11832 | miob6017 | 11888 | miob6088 | 11944 | miob6149 | 12000 | miob6228 |
| 11777 | miob5954 | 11833 | miob6019 | 11889 | miob6089 | 11945 | miob6150 | 12001 | miob6229 |
| 11778 | miob5955 | 11834 | miob6021 | 11890 | miob6090 | 11946 | miob6151 | 12002 | miob6231 |
| 11779 | miob5956 | 11835 | miob6022 | 11891 | miob6091 | 11947 | miob6152 | 12003 | miob6233 |
| 11780 | miob5957 | 11836 | miob6023 | 11892 | miob6092 | 11948 | miob6153 | 12004 | miob6235 |
| 11781 | miob5958 | 11837 | miob6024 | 11893 | miob6093 | 11949 | miob6162 | 12005 | miob6236 |
| 11782 | miob5959 | 11838 | miob6025 | 11894 | miob6095 | 11950 | miob6163 | 12006 | miob6238 |
| 11783 | miob5960 | 11839 | miob6026 | 11895 | miob6096 | 11951 | miob6164 | 12007 | miob6239 |
| 11784 | miob5961 | 11840 | miob6027 | 11896 | miob6097 | 11952 | miob6165 | 12008 | miob6240 |
| 11785 | miob5962 | 11841 | miob6028 | 11897 | miob6098 | 11953 | miob6166 | 12009 | miob6242 |
| 11786 | miob5963 | 11842 | miob6029 | 11898 | miob6099 | 11954 | miob6168 | 12010 | miob6243 |
| 11787 | miob5965 | 11843 | miob6030 | 11899 | miob6100 | 11955 | miob6169 | 12011 | miob6244 |
| 11788 | miob5966 | 11844 | miob6031 | 11900 | miob6101 | 11956 | miob6170 | 12012 | miob6245 |
| 11789 | miob5967 | 11845 | miob6032 | 11901 | miob6102 | 11957 | miob6171 | 12013 | miob6246 |
| 11790 | miob5968 | 11846 | miob6034 | 11902 | miob6103 | 11958 | miob6172 | 12014 | miob6247 |
| 11791 | miob5969 | 11847 | miob6035 | 11903 | miob6104 | 11959 | miob6173 | 12015 | miob6248 |
| 11792 | miob5970 | 11848 | miob6038 | 11904 | miob6105 | 11960 | miob6175 | 12016 | miob6249 |
| 11793 | miob5972 | 11849 | miob6041 | 11905 | miob6106 | 11961 | miob6176 | 12017 | miob6251 |
| 11794 | miob5973 | 11850 | miob6042 | 11906 | miob6107 | 11962 | miob6177 | 12018 | miob6252 |
| 11795 | miob5974 | 11851 | miob6043 | 11907 | miob6108 | 11963 | miob6178 | 12019 | miob6253 |
| 11796 | miob5975 | 11852 | miob6045 | 11908 | miob6109 | 11964 | miob6180 | 12020 | miob6254 |
| 11797 | miob5976 | 11853 | miob6046 | 11909 | miob6110 | 11965 | miob6181 | 12021 | miob6255 |
| 11798 | miob5977 | 11854 | miob6047 | 11910 | miob6112 | 11966 | miob6182 | 12022 | miob6256 |
| 11799 | miob5978 | 11855 | miob6049 | 11911 | miob6113 | 11967 | miob6184 | 12023 | miob6257 |
| 11800 | miob5979 | 11856 | miob6050 | 11912 | miob6115 | 11968 | miob6185 | 12024 | miob6258 |
| 11801 | miob5980 | 11857 | miob6051 | 11913 | miob6116 | 11969 | miob6187 | 12025 | miob6259 |
| 11802 | miob5981 | 11858 | miob6052 | 11914 | miob6117 | 11970 | miob6188 | 12026 | miob6260 |
| 11803 | miob5982 | 11859 | miob6053 | 11915 | miob6118 | 11971 | miob6189 | 12027 | miob6261 |
| 11804 | miob5983 | 11860 | miob6054 | 11916 | miob6119 | 11972 | miob6191 | 12028 | miob6262 |
| 11805 | miob5984 | 11861 | miob6055 | 11917 | miob6120 | 11973 | miob6192 | 12029 | miob6263 |
| 11806 | miob5985 | 11862 | miob6056 | 11918 | miob6121 | 11974 | miob6193 | 12030 | miob6265 |
| 11807 | miob5986 | 11863 | miob6057 | 11919 | miob6122 | 11975 | miob6195 | 12031 | miob6266 |
| 11808 | miob5988 | 11864 | miob6058 | 11920 | miob6123 | 11976 | miob6196 | 12032 | miob6267 |
| 11809 | miob5989 | 11865 | miob6059 | 11921 | miob6124 | 11977 | miob6198 | 12033 | miob6268 |
| 11810 | miob5992 | 11866 | miob6061 | 11922 | miob6125 | 11978 | miob6199 | 12034 | miob6269 |
| 11811 | miob5993 | 11867 | miob6064 | 11923 | miob6126 | 11979 | miob6201 | 12035 | miob6270 |
| 11812 | miob5994 | 11868 | miob6065 | 11924 | miob6127 | 11980 | miob6202 | 12036 | miob6271 |
| 11813 | miob5995 | 11869 | miob6066 | 11925 | miob6128 | 11981 | miob6203 | 12037 | miob6272 |
| 11814 | miob5996 | 11870 | miob6067 | 11926 | miob6129 | 11982 | miob6204 | 12038 | miob6274 |
| 11815 | miob5997 | 11871 | miob6068 | 11927 | miob6130 | 11983 | miob6205 | 12039 | miob6276 |
| 11816 | miob5998 | 11872 | miob6069 | 11928 | miob6131 | 11984 | miob6206 | 12040 | miob6277 |

Figure 6D – Continued

| | | | | | | | | | |
|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|
| 12041 | miob6279 | 12097 | miob6350 | 12153 | miob6426 | 12209 | miob6492 | 12265 | miob6560 |
| 12042 | miob6281 | 12098 | miob6351 | 12154 | miob6427 | 12210 | miob6493 | 12266 | miob6562 |
| 12043 | miob6282 | 12099 | miob6352 | 12155 | miob6429 | 12211 | miob6496 | 12267 | miob6565 |
| 12044 | miob6284 | 12100 | miob6354 | 12156 | miob6430 | 12212 | miob6497 | 12268 | miob6566 |
| 12045 | miob6285 | 12101 | miob6355 | 12157 | miob6431 | 12213 | miob6499 | 12269 | miob6567 |
| 12046 | miob6287 | 12102 | miob6356 | 12158 | miob6432 | 12214 | miob6501 | 12270 | miob6569 |
| 12047 | miob6288 | 12103 | miob6357 | 12159 | miob6433 | 12215 | miob6503 | 12271 | miob6570 |
| 12048 | miob6289 | 12104 | miob6358 | 12160 | miob6434 | 12216 | miob6504 | 12272 | miob6571 |
| 12049 | miob6290 | 12105 | miob6359 | 12161 | miob6435 | 12217 | miob6505 | 12273 | miob6572 |
| 12050 | miob6291 | 12106 | miob6360 | 12162 | miob6436 | 12218 | miob6506 | 12274 | miob6573 |
| 12051 | miob6292 | 12107 | miob6361 | 12163 | miob6437 | 12219 | miob6507 | 12275 | miob6576 |
| 12052 | miob6293 | 12108 | miob6362 | 12164 | miob6438 | 12220 | miob6508 | 12276 | miob6578 |
| 12053 | miob6295 | 12109 | miob6364 | 12165 | miob6440 | 12221 | miob6509 | 12277 | miob6579 |
| 12054 | miob6297 | 12110 | miob6365 | 12166 | miob6441 | 12222 | miob6511 | 12278 | miob6581 |
| 12055 | miob6298 | 12111 | miob6366 | 12167 | miob6442 | 12223 | miob6512 | 12279 | miob6582 |
| 12056 | miob6299 | 12112 | miob6367 | 12168 | miob6443 | 12224 | miob6513 | 12280 | miob6583 |
| 12057 | miob6301 | 12113 | miob6368 | 12169 | miob6444 | 12225 | miob6516 | 12281 | miob6586 |
| 12058 | miob6302 | 12114 | miob6370 | 12170 | miob6446 | 12226 | miob6517 | 12282 | miob6587 |
| 12059 | miob6304 | 12115 | miob6372 | 12171 | miob6447 | 12227 | miob6518 | 12283 | miob6589 |
| 12060 | miob6305 | 12116 | miob6373 | 12172 | miob6448 | 12228 | miob6519 | 12284 | miob6590 |
| 12061 | miob6306 | 12117 | miob6376 | 12173 | miob6449 | 12229 | miob6520 | 12285 | miob6592 |
| 12062 | miob6307 | 12118 | miob6377 | 12174 | miob6450 | 12230 | miob6521 | 12286 | miob6593 |
| 12063 | miob6308 | 12119 | miob6378 | 12175 | miob6451 | 12231 | miob6522 | 12287 | miob6595 |
| 12064 | miob6309 | 12120 | miob6380 | 12176 | miob6452 | 12232 | miob6523 | 12288 | miob6596 |
| 12065 | miob6310 | 12121 | miob6381 | 12177 | miob6453 | 12233 | miob6525 | 12289 | miob6597 |
| 12066 | miob6312 | 12122 | miob6382 | 12178 | miob6455 | 12234 | miob6526 | 12290 | miob6598 |
| 12067 | miob6313 | 12123 | miob6384 | 12179 | miob6456 | 12235 | miob6528 | 12291 | miob6599 |
| 12068 | miob6314 | 12124 | miob6385 | 12180 | miob6458 | 12236 | miob6529 | 12292 | miob6600 |
| 12069 | miob6316 | 12125 | miob6386 | 12181 | miob6459 | 12237 | miob6530 | 12293 | miob6601 |
| 12070 | miob6317 | 12126 | miob6389 | 12182 | miob6460 | 12238 | miob6531 | 12294 | miob6602 |
| 12071 | miob6318 | 12127 | miob6390 | 12183 | miob6461 | 12239 | miob6532 | 12295 | miob6603 |
| 12072 | miob6319 | 12128 | miob6391 | 12184 | miob6462 | 12240 | miob6533 | 12296 | miob6604 |
| 12073 | miob6320 | 12129 | miob6393 | 12185 | miob6463 | 12241 | miob6534 | 12297 | miob6605 |
| 12074 | miob6321 | 12130 | miob6394 | 12186 | miob6464 | 12242 | miob6535 | 12298 | miob6606 |
| 12075 | miob6323 | 12131 | miob6395 | 12187 | miob6465 | 12243 | miob6536 | 12299 | miob6607 |
| 12076 | miob6324 | 12132 | miob6396 | 12188 | miob6466 | 12244 | miob6537 | 12300 | miob6608 |
| 12077 | miob6325 | 12133 | miob6397 | 12189 | miob6467 | 12245 | miob6538 | 12301 | miob6609 |
| 12078 | miob6326 | 12134 | miob6400 | 12190 | miob6468 | 12246 | miob6539 | 12302 | miob6610 |
| 12079 | miob6327 | 12135 | miob6401 | 12191 | miob6469 | 12247 | miob6540 | 12303 | miob6611 |
| 12080 | miob6328 | 12136 | miob6402 | 12192 | miob6470 | 12248 | miob6542 | 12304 | miob6612 |
| 12081 | miob6329 | 12137 | miob6403 | 12193 | miob6471 | 12249 | miob6543 | 12305 | miob6613 |
| 12082 | miob6330 | 12138 | miob6404 | 12194 | miob6472 | 12250 | miob6544 | 12306 | miob6614 |
| 12083 | miob6332 | 12139 | miob6405 | 12195 | miob6474 | 12251 | miob6545 | 12307 | miob6615 |
| 12084 | miob6333 | 12140 | miob6406 | 12196 | miob6475 | 12252 | miob6546 | 12308 | miob6616 |
| 12085 | miob6334 | 12141 | miob6408 | 12197 | miob6477 | 12253 | miob6547 | 12309 | miob6617 |
| 12086 | miob6335 | 12142 | miob6409 | 12198 | miob6478 | 12254 | miob6548 | 12310 | miob6618 |
| 12087 | miob6336 | 12143 | miob6410 | 12199 | miob6479 | 12255 | miob6549 | 12311 | miob6619 |
| 12088 | miob6337 | 12144 | miob6412 | 12200 | miob6480 | 12256 | miob6551 | 12312 | miob6620 |
| 12089 | miob6338 | 12145 | miob6414 | 12201 | miob6482 | 12257 | miob6552 | 12313 | miob6621 |
| 12090 | miob6340 | 12146 | miob6415 | 12202 | miob6483 | 12258 | miob6553 | 12314 | miob6622 |
| 12091 | miob6341 | 12147 | miob6417 | 12203 | miob6484 | 12259 | miob6554 | 12315 | miob6623 |
| 12092 | miob6343 | 12148 | miob6419 | 12204 | miob6485 | 12260 | miob6555 | 12316 | miob6625 |
| 12093 | miob6344 | 12149 | miob6422 | 12205 | miob6486 | 12261 | miob6556 | 12317 | miob6626 |
| 12094 | miob6345 | 12150 | miob6423 | 12206 | miob6487 | 12262 | miob6557 | 12318 | miob6627 |
| 12095 | miob6346 | 12151 | miob6424 | 12207 | miob6489 | 12263 | miob6558 | 12319 | miob6628 |
| 12096 | miob6348 | 12152 | miob6425 | 12208 | miob6490 | 12264 | miob6559 | 12320 | miob6629 |

Figure 6D – Continued

| | | | | | | | | | |
|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|
| 12321 | miob6630 | 12377 | miob6699 | 12433 | miob6769 | 12489 | miob6840 | 12545 | miob6910 |
| 12322 | miob6631 | 12378 | miob6700 | 12434 | miob6770 | 12490 | miob6841 | 12546 | miob6911 |
| 12323 | miob6632 | 12379 | miob6701 | 12435 | miob6771 | 12491 | miob6842 | 12547 | miob6912 |
| 12324 | miob6633 | 12380 | miob6702 | 12436 | miob6772 | 12492 | miob6843 | 12548 | miob6913 |
| 12325 | miob6634 | 12381 | miob6704 | 12437 | miob6773 | 12493 | miob6844 | 12549 | miob6914 |
| 12326 | miob6635 | 12382 | miob6705 | 12438 | miob6774 | 12494 | miob6845 | 12550 | miob6915 |
| 12327 | miob6636 | 12383 | miob6706 | 12439 | miob6775 | 12495 | miob6846 | 12551 | miob6916 |
| 12328 | miob6637 | 12384 | miob6707 | 12440 | miob6776 | 12496 | miob6847 | 12552 | miob6917 |
| 12329 | miob6638 | 12385 | miob6708 | 12441 | miob6777 | 12497 | miob6848 | 12553 | miob6918 |
| 12330 | miob6640 | 12386 | miob6710 | 12442 | miob6778 | 12498 | miob6849 | 12554 | miob6919 |
| 12331 | miob6641 | 12387 | miob6712 | 12443 | miob6779 | 12499 | miob6852 | 12555 | miob6920 |
| 12332 | miob6643 | 12388 | miob6713 | 12444 | miob6781 | 12500 | miob6853 | 12556 | miob6921 |
| 12333 | miob6644 | 12389 | miob6714 | 12445 | miob6782 | 12501 | miob6854 | 12557 | miob6922 |
| 12334 | miob6645 | 12390 | miob6715 | 12446 | miob6784 | 12502 | miob6855 | 12558 | miob6923 |
| 12335 | miob6646 | 12391 | miob6716 | 12447 | miob6785 | 12503 | miob6857 | 12559 | miob6924 |
| 12336 | miob6648 | 12392 | miob6717 | 12448 | miob6788 | 12504 | miob6858 | 12560 | miob6926 |
| 12337 | miob6649 | 12393 | miob6718 | 12449 | miob6792 | 12505 | miob6860 | 12561 | miob6928 |
| 12338 | miob6650 | 12394 | miob6720 | 12450 | miob6794 | 12506 | miob6861 | 12562 | miob6929 |
| 12339 | miob6651 | 12395 | miob6721 | 12451 | miob6795 | 12507 | miob6862 | 12563 | miob6930 |
| 12340 | miob6652 | 12396 | miob6722 | 12452 | miob6796 | 12508 | miob6864 | 12564 | miob6932 |
| 12341 | miob6653 | 12397 | miob6723 | 12453 | miob6797 | 12509 | miob6865 | 12565 | miob6933 |
| 12342 | miob6656 | 12398 | miob6724 | 12454 | miob6798 | 12510 | miob6866 | 12566 | miob6934 |
| 12343 | miob6657 | 12399 | miob6725 | 12455 | miob6799 | 12511 | miob6868 | 12567 | miob6935 |
| 12344 | miob6658 | 12400 | miob6726 | 12456 | miob6800 | 12512 | miob6870 | 12568 | miob6937 |
| 12345 | miob6660 | 12401 | miob6727 | 12457 | miob6801 | 12513 | miob6871 | 12569 | miob6938 |
| 12346 | miob6661 | 12402 | miob6728 | 12458 | miob6802 | 12514 | miob6872 | 12570 | miob6939 |
| 12347 | miob6662 | 12403 | miob6730 | 12459 | miob6804 | 12515 | miob6873 | 12571 | miob6940 |
| 12348 | miob6664 | 12404 | miob6731 | 12460 | miob6805 | 12516 | miob6874 | 12572 | miob6944 |
| 12349 | miob6665 | 12405 | miob6732 | 12461 | miob6806 | 12517 | miob6876 | 12573 | miob6945 |
| 12350 | miob6667 | 12406 | miob6733 | 12462 | miob6807 | 12518 | miob6877 | 12574 | miob6946 |
| 12351 | miob6668 | 12407 | miob6735 | 12463 | miob6808 | 12519 | miob6878 | 12575 | miob6948 |
| 12352 | miob6669 | 12408 | miob6736 | 12464 | miob6809 | 12520 | miob6881 | 12576 | miob6949 |
| 12353 | miob6670 | 12409 | miob6737 | 12465 | miob6810 | 12521 | miob6882 | 12577 | miob6952 |
| 12354 | miob6671 | 12410 | miob6738 | 12466 | miob6811 | 12522 | miob6883 | 12578 | miob6953 |
| 12355 | miob6672 | 12411 | miob6739 | 12467 | miob6813 | 12523 | miob6884 | 12579 | miob6954 |
| 12356 | miob6673 | 12412 | miob6741 | 12468 | miob6814 | 12524 | miob6886 | 12580 | miob6955 |
| 12357 | miob6674 | 12413 | miob6742 | 12469 | miob6816 | 12525 | miob6888 | 12581 | miob6956 |
| 12358 | miob6675 | 12414 | miob6743 | 12470 | miob6817 | 12526 | miob6889 | 12582 | miob6957 |
| 12359 | miob6676 | 12415 | miob6744 | 12471 | miob6818 | 12527 | miob6890 | 12583 | miob6958 |
| 12360 | miob6677 | 12416 | miob6746 | 12472 | miob6819 | 12528 | miob6891 | 12584 | miob6959 |
| 12361 | miob6678 | 12417 | miob6747 | 12473 | miob6821 | 12529 | miob6892 | 12585 | miob6960 |
| 12362 | miob6679 | 12418 | miob6749 | 12474 | miob6822 | 12530 | miob6893 | 12586 | miob6961 |
| 12363 | miob6681 | 12419 | miob6750 | 12475 | miob6823 | 12531 | miob6894 | 12587 | miob6963 |
| 12364 | miob6682 | 12420 | miob6752 | 12476 | miob6824 | 12532 | miob6896 | 12588 | miob6964 |
| 12365 | miob6684 | 12421 | miob6753 | 12477 | miob6826 | 12533 | miob6897 | 12589 | miob6965 |
| 12366 | miob6685 | 12422 | miob6756 | 12478 | miob6827 | 12534 | miob6898 | 12590 | miob6966 |
| 12367 | miob6686 | 12423 | miob6757 | 12479 | miob6828 | 12535 | miob6899 | 12591 | miob6967 |
| 12368 | miob6688 | 12424 | miob6758 | 12480 | miob6829 | 12536 | miob6901 | 12592 | miob6968 |
| 12369 | miob6690 | 12425 | miob6760 | 12481 | miob6831 | 12537 | miob6902 | 12593 | miob6969 |
| 12370 | miob6691 | 12426 | miob6761 | 12482 | miob6833 | 12538 | miob6903 | 12594 | miob6970 |
| 12371 | miob6692 | 12427 | miob6762 | 12483 | miob6834 | 12539 | miob6904 | 12595 | miob6971 |
| 12372 | miob6693 | 12428 | miob6763 | 12484 | miob6835 | 12540 | miob6905 | 12596 | miob6972 |
| 12373 | miob6695 | 12429 | miob6764 | 12485 | miob6836 | 12541 | miob6906 | 12597 | miob6976 |
| 12374 | miob6696 | 12430 | miob6765 | 12486 | miob6837 | 12542 | miob6907 | 12598 | miob6978 |
| 12375 | miob6697 | 12431 | miob6766 | 12487 | miob6838 | 12543 | miob6908 | 12599 | miob6979 |
| 12376 | miob6698 | 12432 | miob6768 | 12488 | miob6839 | 12544 | miob6909 | 12600 | miob6980 |

Figure 6D – Continued

| | |
|-------|----------|
| 12601 | miob6981 |
| 12602 | miob6982 |
| 12603 | miob6983 |
| 12604 | miob6984 |
| 12605 | miob6985 |
| 12606 | miob6987 |
| 12607 | miob6988 |
| 12608 | miob6989 |
| 12609 | miob6990 |
| 12610 | miob6993 |
| 12611 | miob6995 |
| 12612 | miob6996 |
| 12613 | miob6997 |
| 12614 | miob6998 |
| 12615 | miob6999 |
| 12616 | miob7000 |
| 12617 | miob7001 |
| 12618 | miob7003 |
| 12619 | miob7004 |
| 12620 | miob7005 |
| 12621 | miob7006 |
| 12622 | miob7007 |
| 12623 | miob7008 |
| 12624 | miob7009 |
| 12625 | miob7010 |
| 12626 | miob7011 |
| 12627 | miob7012 |
| 12628 | miob7014 |
| 12629 | miob7015 |
| 12630 | miob7016 |
| 12631 | miob7017 |
| 12632 | miob7018 |
| 12633 | miob7020 |
| 12634 | miob7021 |
| 12635 | miob7022 |
| 12636 | miob7024 |
| 12637 | miob7026 |
| 12638 | miob7027 |
| 12639 | miob7028 |
| 12640 | miob7029 |
| 12641 | miob7030 |
| 12642 | miob7031 |
| 12643 | miob7032 |
| 12644 | miob7034 |
| 12645 | miob7035 |
| 12646 | miob7036 |
| 12647 | miob7037 |
| 12648 | miob7038 |
| 12649 | miob7039 |
| 12650 | miob7040 |
| 12651 | miob7041 |

Figure 6E – List of EST Sequence Names From Severe OA Cartilage cDNA Library

| | | | | | | | | | |
|----|------------|-----|------------|-----|-----------|-----|-----------|-----|-----------|
| 1 | saeoa2593m | 57 | SEOA0060 | 113 | SEOA0127 | 169 | SEOA0194A | 225 | seoa0266m |
| 2 | seoa0002m | 58 | SEOA0061 | 114 | SEOA0129 | 170 | SEOA0195A | 226 | seoa0268m |
| 3 | seoa0003m | 59 | seoa0062m | 115 | SEOA0130 | 171 | SEOA0196A | 227 | seoa0269m |
| 4 | seoa0004m | 60 | SEOA0064 | 116 | SEOA0131 | 172 | SEOA0197A | 228 | seoa0270m |
| 5 | seoa0005m | 61 | SEOA0065 | 117 | SEOA0133 | 173 | SEOA0198A | 229 | SEOA0271 |
| 6 | seoa0006m | 62 | SEOA0066 | 118 | SEOA0134 | 174 | SEOA0200A | 230 | SEOA0272 |
| 7 | seoa0007m | 63 | SEOA0067 | 119 | SEOA0135 | 175 | seoa0201a | 231 | SEOA0274 |
| 8 | seoa0008m | 64 | SEOA0068 | 120 | SEOA0136 | 176 | SEOA0202A | 232 | SEOA0275 |
| 9 | seoa0009m | 65 | SEOA0069 | 121 | SEOA0137 | 177 | seoa0203a | 233 | seoa0276 |
| 10 | seoa0010m | 66 | SEOA0070 | 122 | SEOA0138 | 178 | SEOA0204A | 234 | seoa0277 |
| 11 | seoa0012m | 67 | SEOA0071 | 123 | SEOA0139 | 179 | SEOA0205A | 235 | SEOA0278n |
| 12 | seoa0013m | 68 | SEOA0072 | 124 | SEOA0142 | 180 | SEOA0206a | 236 | SEOA0279 |
| 13 | SEOA0014 | 69 | SEOA0074 | 125 | SEOA0143 | 181 | SEOA0207a | 237 | SEOA0280 |
| 14 | SEOA0015 | 70 | SEOA0075n | 126 | SEOA0144 | 182 | SEOA0208a | 238 | seoa0281 |
| 15 | SEOA0017 | 71 | SEOA0076 | 127 | SEOA0145 | 183 | SEOA0209a | 239 | SEOA0282 |
| 16 | SEOA0018 | 72 | SEOA0078 | 128 | SEOA0146 | 184 | seoa0210a | 240 | SEOA0283 |
| 17 | SEOA0019 | 73 | SEOA0079 | 129 | SEOA0147 | 185 | SEOA0211a | 241 | SEOA0284n |
| 18 | SEOA0020 | 74 | SEOA0080 | 130 | seoa0148m | 186 | seoa0212a | 242 | SEOA0285 |
| 19 | SEOA0021 | 75 | SEOA0081 | 131 | SEOA0149 | 187 | SEOA0213a | 243 | SEOA0286 |
| 20 | SEOA0022 | 76 | SEOA0082 | 132 | SEOA0150 | 188 | SEOA0216a | 244 | SEOA0287 |
| 21 | SEOA0023 | 77 | SEOA0083 | 133 | SEOA0152 | 189 | SEOA0217a | 245 | SEOA0288 |
| 22 | SEOA0024 | 78 | SEOA0084 | 134 | SEOA0154 | 190 | SEOA0218a | 246 | SEOA0289 |
| 23 | SEOA0025 | 79 | SEOA0085 | 135 | SEOA0155 | 191 | SEOA0219a | 247 | seoa0290 |
| 24 | seoa0027 | 80 | SEOA0086 | 136 | SEOA0156 | 192 | SEOA0221a | 248 | SEOA0291 |
| 25 | SEOA0028 | 81 | SEOA0088 | 137 | SEOA0157 | 193 | SEOA0224a | 249 | SEOA0293 |
| 26 | SEOA0029 | 82 | SEOA0089n | 138 | SEOA0158 | 194 | SEOA0226a | 250 | SEOA0294 |
| 27 | SEOA0030 | 83 | SEOA0090n | 139 | SEOA0159 | 195 | SEOA0228a | 251 | SEOA0295 |
| 28 | SEOA0031 | 84 | SEOA0091n | 140 | SEOA0160 | 196 | SEOA0231a | 252 | SEOA0296 |
| 29 | SEOA0032 | 85 | seoa0093m | 141 | seoa0161a | 197 | SEOA0234a | 253 | SEOA0297 |
| 30 | SEOA0033 | 86 | seoa0094m | 142 | SEOA0162a | 198 | SEOA0235a | 254 | SEOA0301 |
| 31 | seoa0034m | 87 | seoa0095m | 143 | SEOA0163a | 199 | SEOA0236a | 255 | SEOA0302 |
| 32 | SEOA0035 | 88 | SEOA0096n | 144 | SEOA0164a | 200 | seoa0237a | 256 | SEOA0304n |
| 33 | SEOA0036 | 89 | seoa0097m | 145 | SEOA0166a | 201 | SEOA0238a | 257 | SEOA0306 |
| 34 | SEOA0037 | 90 | SEOA0099 | 146 | SEOA0167a | 202 | SEOA0239a | 258 | SEOA0307 |
| 35 | SEOA0038 | 91 | SEOA0100 | 147 | SEOA0168a | 203 | SEOA0240a | 259 | SEOA0308 |
| 36 | SEOA0039 | 92 | SEOA0101 | 148 | SEOA0169a | 204 | SEOA0243a | 260 | SEOA0309 |
| 37 | SEOA0040 | 93 | seoa0102m | 149 | SEOA0170a | 205 | SEOA0244a | 261 | SEOA0310 |
| 38 | SEOA0041n | 94 | SEOA0103 | 150 | SEOA0171a | 206 | SEOA0245a | 262 | SEOA0311 |
| 39 | SEOA0042 | 95 | seoa0106n | 151 | SEOA0172a | 207 | SEOA0246a | 263 | SEOA0312 |
| 40 | SEOA0043 | 96 | SEOA0107 | 152 | SEOA0174a | 208 | SEOA0247a | 264 | SEOA0313 |
| 41 | SEOA0044n | 97 | SEOA0108 | 153 | SEOA0175a | 209 | SEOA0248a | 265 | SEOA0314 |
| 42 | SEOA0045n | 98 | SEOA0109n | 154 | SEOA0176a | 210 | SEOA0249a | 266 | SEOA0315n |
| 43 | SEOA0046 | 99 | SEOA0110n | 155 | SEOA0177a | 211 | SEOA0250a | 267 | SEOA0316 |
| 44 | SEOA0047 | 100 | SEOA0111 | 156 | SEOA0179a | 212 | SEOA0251a | 268 | SEOA0317 |
| 45 | SEOA0048 | 101 | SEOA0112 | 157 | SEOA0180a | 213 | SEOA0252a | 269 | SEOA0318 |
| 46 | SEOA0049 | 102 | SEOA0114 | 158 | seoa0182a | 214 | SEOA0254a | 270 | SEOA0319 |
| 47 | SEOA0050 | 103 | SEOA0115 | 159 | seoa0183a | 215 | SEOA0255a | 271 | SEOA0320 |
| 48 | SEOA0051 | 104 | SEOA0116 | 160 | SEOA0184a | 216 | SEOA0256a | 272 | SEOA0321 |
| 49 | SEOA0052n | 105 | SEOA0117 | 161 | SEOA0185a | 217 | seoa0257m | 273 | SEOA0323 |
| 50 | SEOA0053 | 106 | SEOA0118 | 162 | SEOA0186a | 218 | seoa0259m | 274 | SEOA0324 |
| 51 | SEOA0054 | 107 | SEOA0121 | 163 | SEOA0187a | 219 | seoa0260m | 275 | SEOA0325 |
| 52 | seoa0055 | 108 | SEOA0122 | 164 | SEOA0188A | 220 | seoa0261m | 276 | SEOA0326n |
| 53 | SEOA0056 | 109 | SEOA0123n | 165 | SEOA0189A | 221 | seoa0262m | 277 | SEOA0328 |
| 54 | SEOA0057 | 110 | seoa0124nn | 166 | SEOA0190A | 222 | seoa0263m | 278 | SEOA0329n |
| 55 | SEOA0058 | 111 | SEOA0125 | 167 | SEOA0191A | 223 | seoa0264m | 279 | SEOA0331 |
| 56 | SEOA0059 | 112 | SEOA0126 | 168 | SEOA0193A | 224 | seoa0265m | 280 | SEOA0333n |

Figure 6E – Continued

| | | | | | | | | | |
|-----|-----------|-----|-----------|-----|-----------|-----|-----------|-----|-----------|
| 281 | SEOA0334 | 337 | SEOA0404 | 393 | SEOA0468 | 449 | seoa0535 | 505 | SEOA0721a |
| 282 | SEOA0335 | 338 | SEOA0405 | 394 | SEOA0469n | 450 | SEOA0536 | 506 | SEOA0722a |
| 283 | SEOA0336 | 339 | SEOA0407 | 395 | SEOA0470n | 451 | SEOA0537 | 507 | SEOA0723a |
| 284 | SEOA0337 | 340 | SEOA0408 | 396 | seoa0471n | 452 | SEOA0539n | 508 | SEOA0724a |
| 285 | SEOA0338 | 341 | SEOA0409 | 397 | SEOA0472 | 453 | SEOA0540n | 509 | seoa0725a |
| 286 | seoa0339m | 342 | SEOA0410 | 398 | SEOA0473 | 454 | SEOA0541n | 510 | SEOA0727a |
| 287 | seoa0340m | 343 | SEOA0412 | 399 | SEOA0475 | 455 | SEOA0542n | 511 | SEOA0728a |
| 288 | seoa0342m | 344 | SEOA0413 | 400 | SEOA0476 | 456 | SEOA0543 | 512 | SEOA0729a |
| 289 | seoa0343m | 345 | SEOA0414n | 401 | SEOA0477 | 457 | SEOA0544 | 513 | SEOA0730a |
| 290 | seoa0344m | 346 | SEOA0416 | 402 | SEOA0478 | 458 | SEOA0545A | 514 | SEOA0731a |
| 291 | seoa0345m | 347 | SEOA0417 | 403 | SEOA0479 | 459 | SEOA0546A | 515 | SEOA0733a |
| 292 | seoa0347m | 348 | SEOA0418 | 404 | SEOA0480 | 460 | SEOA0547A | 516 | SEOA0734a |
| 293 | seoa0348m | 349 | SEOA0420 | 405 | SEOA0481 | 461 | SEOA0548A | 517 | SEOA0737n |
| 294 | seoa0349m | 350 | SEOA0421 | 406 | SEOA0482 | 462 | SEOA0549A | 518 | SEOA0738 |
| 295 | seoa0352m | 351 | SEOA0422 | 407 | SEOA0483 | 463 | SEOA0550A | 519 | seoa0739m |
| 296 | SEOA0353 | 352 | SEOA0423 | 408 | SEOA0485 | 464 | SEOA0551A | 520 | SEOA0740 |
| 297 | SEOA0354 | 353 | SEOA0424n | 409 | SEOA0486 | 465 | SEOA0552A | 521 | seoa0741 |
| 298 | SEOA0356 | 354 | SEOA0425 | 410 | SEOA0487 | 466 | SEOA0554A | 522 | SEOA0742 |
| 299 | SEOA0357 | 355 | SEOA0426 | 411 | SEOA0488 | 467 | SEOA0555A | 523 | SEOA0743 |
| 300 | SEOA0360 | 356 | SEOA0427 | 412 | SEOA0489 | 468 | SEOA0556A | 524 | SEOA0744 |
| 301 | SEOA0361 | 357 | SEOA0428 | 413 | SEOA0491 | 469 | SEOA0558A | 525 | SEOA0745 |
| 302 | SEOA0362 | 358 | SEOA0429 | 414 | SEOA0492 | 470 | seoa0559a | 526 | SEOA0746 |
| 303 | SEOA0363 | 359 | SEOA0430 | 415 | SEOA0493 | 471 | SEOA0560A | 527 | SEOA0747 |
| 304 | SEOA0364 | 360 | SEOA0431 | 416 | seoa0495m | 472 | SEOA0562A | 528 | SEOA0748 |
| 305 | SEOA0366 | 361 | SEOA0432 | 417 | seoa0496m | 473 | SEOA0563A | 529 | SEOA0749 |
| 306 | SEOA0367n | 362 | SEOA0433 | 418 | SEOA0497 | 474 | SEOA0564A | 530 | SEOA0751 |
| 307 | SEOA0368 | 363 | seoa0434m | 419 | seoa0498m | 475 | SEOA0568 | 531 | SEOA0752 |
| 308 | SEOA0369 | 364 | SEOA0435 | 420 | seoa0499m | 476 | SEOA0569 | 532 | SEOA0754 |
| 309 | SEOA0370 | 365 | SEOA0436n | 421 | SEOA0500 | 477 | SEOA0572 | 533 | SEOA0755 |
| 310 | SEOA0372 | 366 | seoa0437 | 422 | SEOA0501 | 478 | SEOA0573 | 534 | SEOA0757 |
| 311 | SEOA0373 | 367 | SEOA0438 | 423 | SEOA0502 | 479 | SEOA0574a | 535 | SEOA0758 |
| 312 | SEOA0374 | 368 | SEOA0440 | 424 | SEOA0505 | 480 | SEOA0575 | 536 | SEOA0759 |
| 313 | SEOA0375 | 369 | SEOA0441n | 425 | SEOA0506 | 481 | SEOA0576n | 537 | SEOA0760 |
| 314 | SEOA0376 | 370 | seoa0442n | 426 | SEOA0508 | 482 | SEOA0577 | 538 | SEOA0761 |
| 315 | SEOA0377 | 371 | SEOA0444 | 427 | SEOA0509 | 483 | seoa0579n | 539 | seoa0764m |
| 316 | SEOA0379 | 372 | SEOA0445 | 428 | SEOA0511 | 484 | SEOA0580 | 540 | seoa0765m |
| 317 | SEOA0380n | 373 | seoa0446 | 429 | SEOA0512 | 485 | SEOA0581 | 541 | seoa0766m |
| 318 | seoa0381 | 374 | SEOA0448 | 430 | SEOA0513 | 486 | SEOA0582 | 542 | seoa0767m |
| 319 | SEOA0382 | 375 | SEOA0449 | 431 | SEOA0514 | 487 | SEOA0583 | 543 | SEOA0769 |
| 320 | SEOA0383 | 376 | SEOA0450 | 432 | SEOA0515 | 488 | SEOA0584 | 544 | SEOA0770 |
| 321 | SEOA0385 | 377 | SEOA0451n | 433 | seoa0516m | 489 | SEOA0585 | 545 | SEOA0771 |
| 322 | seoa0386 | 378 | SEOA0453 | 434 | SEOA0517 | 490 | SEOA0587 | 546 | SEOA0772n |
| 323 | SEOA0387 | 379 | SEOA0454 | 435 | SEOA0518 | 491 | SEOA0588a | 547 | SEOA0773 |
| 324 | SEOA0388 | 380 | SEOA0455 | 436 | SEOA0519 | 492 | SEOA0589a | 548 | SEOA0774 |
| 325 | SEOA0390 | 381 | SEOA0456 | 437 | SEOA0520 | 493 | SEOA0590a | 549 | SEOA0775 |
| 326 | SEOA0391 | 382 | SEOA0457 | 438 | SEOA0521 | 494 | SEOA0591a | 550 | SEOA0777 |
| 327 | SEOA0393 | 383 | SEOA0458n | 439 | SEOA0524 | 495 | SEOA0592a | 551 | SEOA0778 |
| 328 | SEOA0394 | 384 | seoa0459m | 440 | SEOA0525 | 496 | SEOA0593a | 552 | SEOA0779 |
| 329 | SEOA0395 | 385 | SEOA0460 | 441 | SEOA0526 | 497 | SEOA0596a | 553 | SEOA0780 |
| 330 | SEOA0396 | 386 | seoa0461m | 442 | SEOA0527 | 498 | SEOA0597a | 554 | SEOA0782 |
| 331 | SEOA0397 | 387 | SEOA0462 | 443 | SEOA0528n | 499 | SEOA0598a | 555 | SEOA0783 |
| 332 | SEOA0398 | 388 | SEOA0463 | 444 | SEOA0529 | 500 | SEOA0599a | 556 | SEOA0784n |
| 333 | SEOA0399 | 389 | SEOA0464 | 445 | SEOA0530 | 501 | SEOA0600a | 557 | SEOA0785n |
| 334 | SEOA0400 | 390 | SEOA0465 | 446 | seoa0532 | 502 | SEOA0601a | 558 | SEOA0786 |
| 335 | SEOA0401 | 391 | SEOA0466 | 447 | SEOA0533 | 503 | SEOA0602a | 559 | SEOA0787 |
| 336 | SEOA0402 | 392 | SEOA0467 | 448 | SEOA0534 | 504 | SEOA0614a | 560 | SEOA0789 |

Figure 6E – Continued

| | | | | | | | | | |
|-----|-----------|-----|-----------|-----|-----------|-----|------------|-----|------------|
| 561 | SEOAO790 | 617 | SEOAO852 | 673 | SEOAO915 | 729 | SEOAO977 | 785 | SEOAO1053a |
| 562 | SEOAO791 | 618 | SEOAO853 | 674 | SEOAO916 | 730 | SEOAO978 | 786 | SEOAO1054a |
| 563 | SEOAO792 | 619 | seo0854 | 675 | SEOAO917 | 731 | seo0979m | 787 | SEOAO1056a |
| 564 | SEOAO794 | 620 | SEOAO855 | 676 | seo0918m | 732 | seo0980m | 788 | SEOAO1057a |
| 565 | SEOAO795 | 621 | SEOAO857 | 677 | SEOAO920 | 733 | seo0981m | 789 | SEOAO1058a |
| 566 | SEOAO796 | 622 | SEOAO858 | 678 | SEOAO921 | 734 | SEOAO982n | 790 | SEOAO1062a |
| 567 | SEOAO799 | 623 | SEOAO859 | 679 | SEOAO922 | 735 | SEOAO984 | 791 | SEOAO1063a |
| 568 | seo0800m | 624 | SEOAO860 | 680 | SEOAO923 | 736 | seo0985m | 792 | SEOAO1065a |
| 569 | SEOAO801 | 625 | SEOAO861 | 681 | SEOAO924 | 737 | SEOAO986 | 793 | SEOAO1066a |
| 570 | SEOAO802 | 626 | SEOAO862 | 682 | SEOAO925 | 738 | seo0987m | 794 | SEOAO1067a |
| 571 | SEOAO803 | 627 | SEOAO863 | 683 | SEOAO926 | 739 | SEOAO988 | 795 | SEOAO1068a |
| 572 | SEOAO804 | 628 | SEOAO864 | 684 | seo0928 | 740 | SEOAO989 | 796 | SEOAO1069a |
| 573 | SEOAO805 | 629 | SEOAO865 | 685 | SEOAO929n | 741 | SEOAO990n | 797 | SEOAO1070a |
| 574 | SEOAO806 | 630 | SEOAO866 | 686 | SEOAO930 | 742 | SEOAO991 | 798 | SEOAO1071a |
| 575 | seo0807m | 631 | SEOAO868 | 687 | SEOAO931 | 743 | seo0992m | 799 | SEOAO1072a |
| 576 | SEOAO808 | 632 | SEOAO869 | 688 | SEOAO932n | 744 | seo0993m | 800 | SEOAO1073a |
| 577 | seo0809 | 633 | SEOAO870 | 689 | SEOAO933 | 745 | SEOAO994 | 801 | SEOAO1074a |
| 578 | SEOAO811 | 634 | seo0873n | 690 | SEOAO934 | 746 | SEOAO995 | 802 | SEOAO1075a |
| 579 | SEOAO812 | 635 | SEOAO874 | 691 | SEOAO935 | 747 | SEOAO996 | 803 | SEOAO1076a |
| 580 | SEOAO814 | 636 | SEOAO875 | 692 | SEOAO936 | 748 | SEOAO998 | 804 | SEOAO1078a |
| 581 | SEOAO815 | 637 | SEOAO876 | 693 | SEOAO937 | 749 | SEOAO1001 | 805 | SEOAO1079a |
| 582 | SEOAO816 | 638 | SEOAO877 | 694 | SEOAO938n | 750 | SEOAO1002 | 806 | SEOAO1080a |
| 583 | SEOAO817 | 639 | SEOAO878 | 695 | SEOAO939 | 751 | seo01004m | 807 | SEOAO1081a |
| 584 | SEOAO818 | 640 | SEOAO879 | 696 | SEOAO940 | 752 | SEOAO1005n | 808 | SEOAO1082a |
| 585 | SEOAO819n | 641 | SEOAO880 | 697 | SEOAO941 | 753 | SEOAO1006n | 809 | SEOAO1083a |
| 586 | SEOAO820 | 642 | SEOAO881 | 698 | SEOAO942 | 754 | SEOAO1007n | 810 | SEOAO1084a |
| 587 | SEOAO821 | 643 | SEOAO882 | 699 | SEOAO943 | 755 | seo01008m | 811 | SEOAO1085a |
| 588 | SEOAO822 | 644 | SEOAO883 | 700 | SEOAO944 | 756 | SEOAO1009n | 812 | SEOAO1086a |
| 589 | SEOAO823 | 645 | SEOAO884 | 701 | SEOAO945 | 757 | seo01012m | 813 | SEOAO1087a |
| 590 | SEOAO824 | 646 | SEOAO885n | 702 | SEOAO946 | 758 | SEOAO1013n | 814 | SEOAO1089a |
| 591 | SEOAO825 | 647 | SEOAO886 | 703 | SEOAO947 | 759 | seo01014m | 815 | SEOAO1090a |
| 592 | SEOAO826 | 648 | SEOAO887 | 704 | SEOAO948 | 760 | SEOAO1015n | 816 | SEOAO1092a |
| 593 | SEOAO827 | 649 | SEOAO888 | 705 | SEOAO949n | 761 | seo01017m | 817 | SEOAO1094a |
| 594 | SEOAO829 | 650 | SEOAO889n | 706 | SEOAO950 | 762 | SEOAO1018 | 818 | SEOAO1095a |
| 595 | SEOAO830 | 651 | SEOAO890n | 707 | SEOAO952 | 763 | SEOAO1020 | 819 | SEOAO1096a |
| 596 | SEOAO831 | 652 | SEOAO891 | 708 | SEOAO953 | 764 | SEOAO1022 | 820 | SEOAO1097a |
| 597 | SEOAO832 | 653 | SEOAO892 | 709 | SEOAO955 | 765 | SEOAO1023 | 821 | SEOAO1098a |
| 598 | SEOAO833 | 654 | SEOAO893 | 710 | SEOAO956 | 766 | SEOAO1024 | 822 | SEOAO1099a |
| 599 | SEOAO834 | 655 | SEOAO895 | 711 | SEOAO957 | 767 | SEOAO1025 | 823 | SEOAO1100a |
| 600 | SEOAO835 | 656 | SEOAO896 | 712 | SEOAO958 | 768 | SEOAO1026 | 824 | SEOAO1101a |
| 601 | SEOAO836 | 657 | SEOAO897n | 713 | SEOAO959 | 769 | seo01028m | 825 | SEOAO1102a |
| 602 | SEOAO837 | 658 | SEOAO898 | 714 | SEOAO960n | 770 | SEOAO1030 | 826 | SEOAO1104a |
| 603 | SEOAO838 | 659 | SEOAO899 | 715 | SEOAO962n | 771 | SEOAO1032a | 827 | SEOAO1105a |
| 604 | SEOAO839 | 660 | SEOAO900 | 716 | SEOAO963n | 772 | SEOAO1034a | 828 | SEOAO1106a |
| 605 | SEOAO840 | 661 | SEOAO901 | 717 | SEOAO964 | 773 | SEOAO1035a | 829 | SEOAO1107a |
| 606 | SEOAO841 | 662 | SEOAO902 | 718 | SEOAO965 | 774 | SEOAO1036a | 830 | SEOAO1108a |
| 607 | SEOAO842 | 663 | SEOAO903 | 719 | SEOAO966 | 775 | SEOAO1038a | 831 | SEOAO1109a |
| 608 | SEOAO843 | 664 | SEOAO904 | 720 | SEOAO967 | 776 | SEOAO1039a | 832 | SEOAO1112a |
| 609 | SEOAO844 | 665 | SEOAO905 | 721 | seo0968m | 777 | SEOAO1040a | 833 | SEOAO1113a |
| 610 | SEOAO845 | 666 | SEOAO906 | 722 | SEOAO969 | 778 | SEOAO1041a | 834 | SEOAO1114a |
| 611 | SEOAO846 | 667 | SEOAO907 | 723 | seo0970 | 779 | SEOAO1042a | 835 | SEOAO1115a |
| 612 | SEOAO847 | 668 | SEOAO908 | 724 | SEOAO971 | 780 | SEOAO1044a | 836 | SEOAO1116a |
| 613 | SEOAO848 | 669 | SEOAO909 | 725 | seo0972m | 781 | SEOAO1045a | 837 | SEOAO1117a |
| 614 | SEOAO849 | 670 | SEOAO911 | 726 | SEOAO973 | 782 | SEOAO1046a | 838 | SEOAO1118a |
| 615 | SEOAO850n | 671 | SEOAO913 | 727 | SEOAO974 | 783 | SEOAO1048a | 839 | SEOAO1119a |
| 616 | SEOAO851 | 672 | SEOAO914 | 728 | SEOAO975 | 784 | SEOAO1049a | 840 | SEOAO1120a |

Figure 6E - Continued

| | | | | | | | | | |
|-----|-----------|-----|-----------|------|-----------|------|-----------|------|-----------|
| 841 | SEOA1124a | 897 | SEOA1208A | 953 | SEOA1287a | 1009 | SEOA1352 | 1065 | SEOA1419a |
| 842 | SEOA1126a | 898 | SEOA1209A | 954 | SEOA1288a | 1010 | SEOA1353 | 1066 | SEOA1420a |
| 843 | SEOA1128a | 899 | SEOA1213A | 955 | SEOA1289a | 1011 | seo1354m | 1067 | SEOA1421a |
| 844 | SEOA1130a | 900 | SEOA1215A | 956 | SEOA1290a | 1012 | SEOA1356 | 1068 | SEOA1422a |
| 845 | SEOA1131a | 901 | SEOA1216A | 957 | SEOA1291a | 1013 | seo1357m | 1069 | SEOA1423a |
| 846 | SEOA1132a | 902 | SEOA1218A | 958 | SEOA1292a | 1014 | seo1358m | 1070 | SEOA1424a |
| 847 | SEOA1134a | 903 | SEOA1220A | 959 | SEOA1295a | 1015 | SEOA1360 | 1071 | seo1425a |
| 848 | SEOA1135a | 904 | SEOA1222A | 960 | SEOA1296a | 1016 | SEOA1361 | 1072 | SEOA1427a |
| 849 | SEOA1137a | 905 | SEOA1224A | 961 | SEOA1297a | 1017 | SEOA1362a | 1073 | SEOA1428a |
| 850 | SEOA1138a | 906 | SEOA1226A | 962 | SEOA1298a | 1018 | SEOA1363 | 1074 | SEOA1429a |
| 851 | SEOA1139a | 907 | SEOA1227A | 963 | SEOA1300a | 1019 | SEOA1364 | 1075 | SEOA1430a |
| 852 | SEOA1140a | 908 | SEOA1228A | 964 | SEOA1301a | 1020 | SEOA1365 | 1076 | SEOA1440a |
| 853 | SEOA1141a | 909 | SEOA1229A | 965 | SEOA1302a | 1021 | SEOA1366a | 1077 | SEOA1432a |
| 854 | SEOA1144a | 910 | SEOA1232A | 966 | SEOA1303a | 1022 | SEOA1368 | 1078 | SEOA1434a |
| 855 | SEOA1145a | 911 | SEOA1234A | 967 | SEOA1304a | 1023 | SEOA1369 | 1079 | SEOA1436a |
| 856 | SEOA1146a | 912 | SEOA1236A | 968 | SEOA1306a | 1024 | SEOA1370 | 1080 | SEOA1437a |
| 857 | SEOA1147a | 913 | SEOA1237A | 969 | SEOA1307a | 1025 | SEOA1371 | 1081 | SEOA1439a |
| 858 | SEOA1148a | 914 | SEOA1238A | 970 | SEOA1308 | 1026 | SEOA1372 | 1082 | SEOA1440a |
| 859 | SEOA1149a | 915 | SEOA1239A | 971 | SEOA1309a | 1027 | SEOA1373 | 1083 | SEOA1442a |
| 860 | SEOA1150a | 916 | SEOA1240A | 972 | SEOA1310a | 1028 | SEOA1374 | 1084 | SEOA1443a |
| 861 | SEOA1151a | 917 | SEOA1241A | 973 | SEOA1311a | 1029 | SEOA1375 | 1085 | SEOA1444a |
| 862 | SEOA1152a | 918 | SEOA1242A | 974 | SEOA1312a | 1030 | SEOA1376 | 1086 | seo1445an |
| 863 | SEOA1153a | 919 | SEOA1244A | 975 | SEOA1313 | 1031 | SEOA1377 | 1087 | SEOA1447a |
| 864 | SEOA1155a | 920 | SEOA1245A | 976 | SEOA1314 | 1032 | SEOA1378 | 1088 | SEOA1448a |
| 865 | SEOA1157a | 921 | SEOA1246A | 977 | SEOA1315 | 1033 | SEOA1379 | 1089 | SEOA1449a |
| 866 | SEOA1158a | 922 | SEOA1247A | 978 | SEOA1316n | 1034 | SEOA1380 | 1090 | SEOA1451a |
| 867 | SEOA1159A | 923 | SEOA1248A | 979 | SEOA1318 | 1035 | seo1381n | 1091 | SEOA1452a |
| 868 | SEOA1161A | 924 | SEOA1249A | 980 | SEOA1320 | 1036 | SEOA1382 | 1092 | SEOA1454a |
| 869 | SEOA1164A | 925 | SEOA1250A | 981 | SEOA1321 | 1037 | SEOA1383 | 1093 | SEOA1455a |
| 870 | SEOA1166A | 926 | SEOA1251A | 982 | SEOA1323 | 1038 | SEOA1384 | 1094 | SEOA1456a |
| 871 | SEOA1169A | 927 | SEOA1252A | 983 | SEOA1324 | 1039 | SEOA1385 | 1095 | SEOA1457a |
| 872 | SEOA1173A | 928 | SEOA1253A | 984 | SEOA1325n | 1040 | SEOA1387 | 1096 | SEOA1458a |
| 873 | SEOA1176A | 929 | SEOA1255A | 985 | SEOA1326 | 1041 | SEOA1388 | 1097 | SEOA1459a |
| 874 | SEOA1178A | 930 | SEOA1258A | 986 | SEOA1327 | 1042 | SEOA1389 | 1098 | SEOA1460a |
| 875 | SEOA1181A | 931 | SEOA1259A | 987 | SEOA1328 | 1043 | SEOA1390 | 1099 | SEOA1461a |
| 876 | SEOA1182A | 932 | SEOA1260A | 988 | SEOA1329 | 1044 | SEOA1391 | 1100 | SEOA1463a |
| 877 | SEOA1183A | 933 | SEOA1262A | 989 | SEOA1330 | 1045 | SEOA1392 | 1101 | SEOA1464a |
| 878 | SEOA1184A | 934 | SEOA1263A | 990 | SEOA1331 | 1046 | SEOA1394 | 1102 | SEOA1465a |
| 879 | SEOA1186A | 935 | SEOA1265A | 991 | SEOA1332 | 1047 | SEOA1395 | 1103 | SEOA1466a |
| 880 | SEOA1187a | 936 | SEOA1266A | 992 | SEOA1334 | 1048 | SEOA1396 | 1104 | seo1468a |
| 881 | SEOA1188A | 937 | SEOA1267A | 993 | SEOA1335 | 1049 | SEOA1398 | 1105 | SEOA1469a |
| 882 | SEOA1189A | 938 | SEOA1268A | 994 | SEOA1336 | 1050 | SEOA1399 | 1106 | SEOA1470a |
| 883 | SEOA1190A | 939 | SEOA1269a | 995 | SEOA1337 | 1051 | SEOA1400 | 1107 | SEOA1471a |
| 884 | SEOA1191A | 940 | SEOA1270a | 996 | seo1338 | 1052 | SEOA1401 | 1108 | SEOA1472a |
| 885 | SEOA1192A | 941 | SEOA1273a | 997 | SEOA1339n | 1053 | SEOA1403 | 1109 | seo1473m |
| 886 | SEOA1193A | 942 | SEOA1275a | 998 | SEOA1340 | 1054 | SEOA1404 | 1110 | SEOA1474 |
| 887 | SEOA1194A | 943 | SEOA1276a | 999 | SEOA1341 | 1055 | SEOA1405 | 1111 | SEOA1475 |
| 888 | SEOA1196A | 944 | SEOA1277a | 1000 | SEOA1342 | 1056 | seo1406 | 1112 | SEOA1477 |
| 889 | SEOA1198A | 945 | SEOA1278a | 1001 | SEOA1343 | 1057 | SEOA1407 | 1113 | SEOA1478 |
| 890 | SEOA1199A | 946 | SEOA1279a | 1002 | SEOA1344 | 1058 | SEOA1409a | 1114 | SEOA1479 |
| 891 | SEOA1200A | 947 | SEOA1280a | 1003 | SEOA1346 | 1059 | SEOA1410a | 1115 | SEOA1480 |
| 892 | SEOA1201A | 948 | SEOA1281a | 1004 | seo1347 | 1060 | SEOA1411a | 1116 | SEOA1483n |
| 893 | SEOA1202A | 949 | SEOA1282a | 1005 | SEOA1348 | 1061 | SEOA1413a | 1117 | SEOA1484n |
| 894 | SEOA1203A | 950 | SEOA1283a | 1006 | SEOA1349 | 1062 | SEOA1414a | 1118 | SEOA1486 |
| 895 | SEOA1204A | 951 | SEOA1284a | 1007 | SEOA1350 | 1063 | SEOA1415a | 1119 | SEOA1487 |
| 896 | SEOA1206A | 952 | SEOA1286a | 1008 | SEOA1351 | 1064 | SEOA1416a | 1120 | SEOA1488 |

Figure 6E – Continued

| | | | | | | | | | |
|------|-----------|------|-----------|------|-----------|------|-----------|------|-----------|
| 1121 | SEOA1489 | 1177 | SEOA1554 | 1233 | SEOA1635a | 1289 | SEOA1695a | 1345 | SEOA1768a |
| 1122 | SEOA1490n | 1178 | SEOA1555 | 1234 | SEOA1636a | 1290 | SEOA1696a | 1346 | SEOA1769a |
| 1123 | SEOA1491 | 1179 | SEOA1559 | 1235 | SEOA1637a | 1291 | SEOA1697a | 1347 | SEOA1770a |
| 1124 | SEOA1492n | 1180 | SEOA1560 | 1236 | SEOA1638a | 1292 | SEOA1698a | 1348 | SEOA1771a |
| 1125 | SEOA1493 | 1181 | SEOA1563 | 1237 | SEOA1639a | 1293 | SEOA1700a | 1349 | SEOA1772a |
| 1126 | SEOA1494 | 1182 | SEOA1564 | 1238 | SEOA1640a | 1294 | SEOA1701a | 1350 | SEOA1773a |
| 1127 | SEOA1496n | 1183 | SEOA1566 | 1239 | SEOA1641a | 1295 | SEOA1703a | 1351 | SEOA1774a |
| 1128 | SEOA1497 | 1184 | SEOA1567 | 1240 | SEOA1643a | 1296 | SEOA1705a | 1352 | SEOA1775a |
| 1129 | SEOA1499 | 1185 | seo1568m | 1241 | SEOA1644a | 1297 | SEOA1710a | 1353 | SEOA1776a |
| 1130 | SEOA1501 | 1186 | SEOA1570 | 1242 | SEOA1645a | 1298 | SEOA1711a | 1354 | SEOA1778a |
| 1131 | SEOA1503 | 1187 | SEOA1571 | 1243 | SEOA1646a | 1299 | SEOA1712a | 1355 | SEOA1782a |
| 1132 | SEOA1504 | 1188 | SEOA1572 | 1244 | SEOA1647a | 1300 | SEOA1713a | 1356 | SEOA1783a |
| 1133 | SEOA1505 | 1189 | SEOA1573a | 1245 | SEOA1648a | 1301 | SEOA1714a | 1357 | SEOA1784a |
| 1134 | SEOA1506 | 1190 | SEOA1574a | 1246 | SEOA1650a | 1302 | SEOA1715a | 1358 | SEOA1785a |
| 1135 | seo1507n | 1191 | SEOA1575a | 1247 | SEOA1651a | 1303 | SEOA1717a | 1359 | SEOA1786a |
| 1136 | SEOA1508 | 1192 | SEOA1576a | 1248 | SEOA1652a | 1304 | SEOA1718a | 1360 | SEOA1787a |
| 1137 | SEOA1509 | 1193 | seo1577a | 1249 | SEOA1653a | 1305 | SEOA1720a | 1361 | SEOA1788a |
| 1138 | SEOA1510 | 1194 | SEOA1579a | 1250 | SEOA1654a | 1306 | SEOA1721a | 1362 | SEOA1789a |
| 1139 | SEOA1511 | 1195 | SEOA1580a | 1251 | SEOA1655a | 1307 | SEOA1722a | 1363 | SEOA1790a |
| 1140 | SEOA1512 | 1196 | SEOA1581a | 1252 | SEOA1656a | 1308 | SEOA1723a | 1364 | SEOA1791a |
| 1141 | SEOA1513 | 1197 | SEOA1582a | 1253 | SEOA1657a | 1309 | SEOA1725a | 1365 | SEOA1792a |
| 1142 | SEOA1515 | 1198 | SEOA1583a | 1254 | SEOA1658a | 1310 | SEOA1726a | 1366 | SEOA1793a |
| 1143 | SEOA1516 | 1199 | SEOA1584a | 1255 | SEOA1660a | 1311 | SEOA1727a | 1367 | SEOA1794a |
| 1144 | SEOA1517n | 1200 | SEOA1585a | 1256 | SEOA1661a | 1312 | SEOA1729a | 1368 | SEOA1795a |
| 1145 | SEOA1518 | 1201 | SEOA1586a | 1257 | SEOA1662a | 1313 | SEOA1730a | 1369 | SEOA1797a |
| 1146 | SEOA1519 | 1202 | SEOA1589a | 1258 | SEOA1663a | 1314 | SEOA1731a | 1370 | SEOA1799a |
| 1147 | SEOA1520 | 1203 | SEOA1590a | 1259 | SEOA1664a | 1315 | SEOA1732a | 1371 | SEOA1802a |
| 1148 | SEOA1521 | 1204 | SEOA1592a | 1260 | SEOA1665a | 1316 | SEOA1733a | 1372 | SEOA1803a |
| 1149 | SEOA1522n | 1205 | SEOA1594a | 1261 | SEOA1666a | 1317 | SEOA1734a | 1373 | SEOA1804a |
| 1150 | seo1523 | 1206 | seo1595an | 1262 | SEOA1667a | 1318 | SEOA1736a | 1374 | seo1805a |
| 1151 | SEOA1524 | 1207 | SEOA1596a | 1263 | SEOA1668a | 1319 | SEOA1737a | 1375 | seo1806a |
| 1152 | SEOA1525 | 1208 | SEOA1597a | 1264 | SEOA1669a | 1320 | SEOA1739a | 1376 | seo1807a |
| 1153 | SEOA1526 | 1209 | SEOA1598a | 1265 | SEOA1670a | 1321 | SEOA1741a | 1377 | seo1809a |
| 1154 | SEOA1527n | 1210 | SEOA1599a | 1266 | SEOA1671a | 1322 | SEOA1742a | 1378 | seo1810a |
| 1155 | SEOA1528 | 1211 | SEOA1600a | 1267 | SEOA1672a | 1323 | SEOA1743a | 1379 | SEOA1811a |
| 1156 | SEOA1529 | 1212 | SEOA1601a | 1268 | SEOA1673a | 1324 | SEOA1747a | 1380 | SEOA1812a |
| 1157 | SEOA1530 | 1213 | SEOA1602a | 1269 | SEOA1674a | 1325 | SEOA1748a | 1381 | SEOA1813a |
| 1158 | SEOA1532 | 1214 | SEOA1604a | 1270 | SEOA1675a | 1326 | SEOA1749a | 1382 | seo1814a |
| 1159 | SEOA1534 | 1215 | SEOA1606a | 1271 | SEOA1676a | 1327 | SEOA1750a | 1383 | seo1815a |
| 1160 | SEOA1535 | 1216 | SEOA1607a | 1272 | SEOA1677a | 1328 | SEOA1751a | 1384 | seo1817a |
| 1161 | SEOA1536 | 1217 | SEOA1608a | 1273 | SEOA1678a | 1329 | SEOA1752a | 1385 | SEOA1819a |
| 1162 | SEOA1537 | 1218 | SEOA1609a | 1274 | SEOA1679a | 1330 | SEOA1753a | 1386 | SEOA1821a |
| 1163 | SEOA1538 | 1219 | SEOA1610a | 1275 | SEOA1680a | 1331 | SEOA1754a | 1387 | SEOA1822a |
| 1164 | seo1539 | 1220 | SEOA1611a | 1276 | SEOA1681a | 1332 | SEOA1755a | 1388 | seo1823a |
| 1165 | SEOA1540 | 1221 | SEOA1614a | 1277 | SEOA1682a | 1333 | SEOA1756a | 1389 | seo1825a |
| 1166 | seo1541n | 1222 | SEOA1615a | 1278 | SEOA1683a | 1334 | SEOA1757a | 1390 | seo1826a |
| 1167 | SEOA1542 | 1223 | SEOA1616a | 1279 | SEOA1684a | 1335 | SEOA1758a | 1391 | seo1830a |
| 1168 | SEOA1543 | 1224 | SEOA1617a | 1280 | SEOA1685a | 1336 | SEOA1759a | 1392 | SEOA1833a |
| 1169 | SEOA1544 | 1225 | SEOA1620a | 1281 | SEOA1686a | 1337 | SEOA1760a | 1393 | SEOA1834a |
| 1170 | seo1545 | 1226 | SEOA1621a | 1282 | SEOA1687a | 1338 | SEOA1761a | 1394 | SEOA1835a |
| 1171 | SEOA1546 | 1227 | SEOA1622a | 1283 | SEOA1688a | 1339 | SEOA1762a | 1395 | SEOA1837a |
| 1172 | SEOA1547 | 1228 | SEOA1623a | 1284 | SEOA1689a | 1340 | SEOA1763a | 1396 | SEOA1839a |
| 1173 | seo1548m | 1229 | seo1629a | 1285 | SEOA1690a | 1341 | SEOA1764a | 1397 | SEOA1844a |
| 1174 | SEOA1550 | 1230 | SEOA1631a | 1286 | SEOA1691a | 1342 | SEOA1765a | 1398 | SEOA1845a |
| 1175 | SEOA1551 | 1231 | SEOA1632a | 1287 | SEOA1692a | 1343 | seo1766a | 1399 | SEOA1847a |
| 1176 | SEOA1552 | 1232 | SEOA1634a | 1288 | seo1694a | 1344 | SEOA1767a | 1400 | SEOA1848a |

Figure 6E – Continued

| | | | | | | | | | |
|------|-----------|------|-----------|------|-----------|------|------------|------|-----------|
| 1401 | SEOA1850a | 1457 | seoa1926m | 1513 | SEOA2005 | 1569 | seoa2077n | 1625 | SEOA2141 |
| 1402 | SEOA1851a | 1458 | SEOA1927 | 1514 | SEOA2006 | 1570 | SEOA2078 | 1626 | SEOA2142 |
| 1403 | SEOA1853a | 1459 | seoa1928n | 1515 | SEOA2007 | 1571 | SEOA2079 | 1627 | SEOA2143 |
| 1404 | SEOA1854a | 1460 | SEOA1931 | 1516 | seoa2008n | 1572 | SEOA2080n | 1628 | SEOA2146n |
| 1405 | SEOA1856a | 1461 | SEOA1932 | 1517 | SEOA2011 | 1573 | SEOA2081 | 1629 | SEOA2147 |
| 1406 | SEOA1857a | 1462 | SEOA1935 | 1518 | SEOA2012 | 1574 | SEOA2082 | 1630 | SEOA2148n |
| 1407 | SEOA1858a | 1463 | SEOA1936 | 1519 | SEOA2013 | 1575 | SEOA2083n | 1631 | SEOA2149 |
| 1408 | SEOA1861a | 1464 | SEOA1937n | 1520 | SEOA2015 | 1576 | SEOA2084 | 1632 | SEOA2150 |
| 1409 | SEOA1866a | 1465 | SEOA1938n | 1521 | SEOA2016 | 1577 | SEOA2085 | 1633 | SEOA2151 |
| 1410 | SEOA1867a | 1466 | SEOA1940 | 1522 | SEOA2018 | 1578 | SEOA2087 | 1634 | SEOA2152 |
| 1411 | SEOA1869a | 1467 | SEOA1942 | 1523 | SEOA2019 | 1579 | SEOA2088 | 1635 | SEOA2153n |
| 1412 | SEOA1872a | 1468 | SEOA1943 | 1524 | seoa2022n | 1580 | SEOA2089 | 1636 | SEOA2154n |
| 1413 | SEOA1873a | 1469 | SEOA1946 | 1525 | SEOA2024a | 1581 | SEOA2090 | 1637 | SEOA2155 |
| 1414 | SEOA1874a | 1470 | SEOA1947 | 1526 | SEOA2025 | 1582 | SEOA2092 | 1638 | SEOA2156n |
| 1415 | SEOA1875a | 1471 | SEOA1949 | 1527 | SEOA2027 | 1583 | SEOA2093 | 1639 | SEOA2157 |
| 1416 | SEOA1876a | 1472 | SEOA1950 | 1528 | SEOA2028 | 1584 | SEOA2094 | 1640 | SEOA2158 |
| 1417 | seoa1877a | 1473 | SEOA1952 | 1529 | SEOA2029 | 1585 | SEOA2095 | 1641 | SEOA2159n |
| 1418 | SEOA1878 | 1474 | SEOA1953 | 1530 | SEOA2030 | 1586 | SEOA2096 | 1642 | SEOA2160 |
| 1419 | SEOA1879 | 1475 | SEOA1954 | 1531 | seoa2032m | 1587 | seoa2097nn | 1643 | SEOA2162 |
| 1420 | SEOA1880 | 1476 | SEOA1955 | 1532 | SEOA2034 | 1588 | SEOA2098 | 1644 | SEOA2163n |
| 1421 | seoa1881 | 1477 | SEOA1956 | 1533 | SEOA2035 | 1589 | SEOA2099 | 1645 | SEOA2164 |
| 1422 | SEOA1882 | 1478 | SEOA1957 | 1534 | seoa2036 | 1590 | SEOA2100 | 1646 | SEOA2165 |
| 1423 | SEOA1883 | 1479 | SEOA1958 | 1535 | seoa2037 | 1591 | SEOA2101 | 1647 | SEOA2166 |
| 1424 | SEOA1884 | 1480 | SEOA1960 | 1536 | SEOA2039 | 1592 | SEOA2102n | 1648 | SEOA2168n |
| 1425 | SEOA1885 | 1481 | SEOA1961a | 1537 | SEOA2040 | 1593 | SEOA2103n | 1649 | SEOA2169 |
| 1426 | SEOA1886n | 1482 | SEOA1962a | 1538 | SEOA2041 | 1594 | SEOA2104n | 1650 | SEOA2170 |
| 1427 | SEOA1887 | 1483 | SEOA1963a | 1539 | SEOA2042 | 1595 | SEOA2106 | 1651 | SEOA2171 |
| 1428 | SEOA1888 | 1484 | SEOA1964a | 1540 | SEOA2043 | 1596 | SEOA2107 | 1652 | SEOA2173 |
| 1429 | SEOA1889n | 1485 | SEOA1965a | 1541 | SEOA2044 | 1597 | SEOA2109 | 1653 | seoa2174n |
| 1430 | SEOA1890n | 1486 | SEOA1966a | 1542 | seoa2045m | 1598 | SEOA2110n | 1654 | SEOA2175 |
| 1431 | SEOA1891 | 1487 | SEOA1967a | 1543 | SEOA2046 | 1599 | SEOA2111 | 1655 | SEOA2176 |
| 1432 | SEOA1894 | 1488 | SEOA1968a | 1544 | SEOA2047 | 1600 | SEOA2112n | 1656 | seoa2177a |
| 1433 | SEOA1896 | 1489 | SEOA1969a | 1545 | SEOA2048 | 1601 | SEOA2113n | 1657 | SEOA2178a |
| 1434 | SEOA1897 | 1490 | SEOA1971a | 1546 | SEOA2050 | 1602 | SEOA2114 | 1658 | SEOA2179a |
| 1435 | SEOA1898 | 1491 | SEOA1972a | 1547 | SEOA2051 | 1603 | SEOA2115 | 1659 | SEOA2180a |
| 1436 | SEOA1899 | 1492 | SEOA1973a | 1548 | SEOA2052 | 1604 | SEOA2117 | 1660 | SEOA2181a |
| 1437 | SEOA1900n | 1493 | SEOA1977a | 1549 | SEOA2053 | 1605 | SEOA2118 | 1661 | SEOA2183a |
| 1438 | SEOA1901 | 1494 | SEOA1979a | 1550 | SEOA2054a | 1606 | SEOA2119 | 1662 | SEOA2184a |
| 1439 | SEOA1902 | 1495 | SEOA1980a | 1551 | SEOA2055n | 1607 | seoa2120 | 1663 | SEOA2185a |
| 1440 | SEOA1903 | 1496 | SEOA1981a | 1552 | SEOA2056 | 1608 | seoa2121 | 1664 | SEOA2186a |
| 1441 | SEOA1907 | 1497 | SEOA1982a | 1553 | SEOA2057 | 1609 | SEOA2122 | 1665 | SEOA2188a |
| 1442 | SEOA1909 | 1498 | seoa1983a | 1554 | seoa2058n | 1610 | seoa2123m | 1666 | SEOA2191a |
| 1443 | SEOA1910 | 1499 | SEOA1985 | 1555 | SEOA2059 | 1611 | SEOA2124 | 1667 | SEOA2193a |
| 1444 | SEOA1911n | 1500 | SEOA1987 | 1556 | SEOA2061 | 1612 | seoa2125 | 1668 | SEOA2194a |
| 1445 | SEOA1912n | 1501 | SEOA1988a | 1557 | SEOA2062 | 1613 | SEOA2126n | 1669 | SEOA2195a |
| 1446 | SEOA1913n | 1502 | SEOA1989 | 1558 | SEOA2063 | 1614 | SEOA2127n | 1670 | SEOA2199a |
| 1447 | seoa1914n | 1503 | SEOA1990 | 1559 | SEOA2064 | 1615 | SEOA2128 | 1671 | SEOA2200a |
| 1448 | SEOA1915 | 1504 | SEOA1991 | 1560 | SEOA2065 | 1616 | SEOA2130n | 1672 | SEOA2201a |
| 1449 | SEOA1916n | 1505 | SEOA1992 | 1561 | SEOA2067n | 1617 | SEOA2132 | 1673 | SEOA2202a |
| 1450 | SEOA1917 | 1506 | SEOA1993 | 1562 | SEOA2068 | 1618 | SEOA2134n | 1674 | SEOA2203a |
| 1451 | seoa1918m | 1507 | SEOA1995 | 1563 | SEOA2069 | 1619 | SEOA2135 | 1675 | SEOA2204a |
| 1452 | SEOA1919n | 1508 | SEOA1996 | 1564 | SEOA2071 | 1620 | SEOA2136 | 1676 | SEOA2205a |
| 1453 | SEOA1921n | 1509 | SEOA1997 | 1565 | seoa2072n | 1621 | SEOA2137 | 1677 | SEOA2208a |
| 1454 | SEOA1923 | 1510 | SEOA2000a | 1566 | SEOA2074n | 1622 | SEOA2138 | 1678 | SEOA2209a |
| 1455 | SEOA1924n | 1511 | SEOA2001 | 1567 | SEOA2075n | 1623 | SEOA2139 | 1679 | SEOA2210a |
| 1456 | SEOA1925n | 1512 | SEOA2004 | 1568 | SEOA2076 | 1624 | SEOA2140 | 1680 | SEOA2211a |

Figure 6E - Continued

| | | | | | | | | | |
|------|------------|------|------------|------|-----------|------|-----------|------|------------|
| 1681 | seoa2212an | 1737 | SEOA2290a | 1793 | SEOA2394a | 1849 | SEOA2467 | 1905 | SEOA2532 |
| 1682 | SEOA2213a | 1738 | SEOA2291a | 1794 | SEOA2400a | 1850 | SEOA2468 | 1906 | SEOA2534 |
| 1683 | SEOA2214a | 1739 | SEOA2292a | 1795 | SEOA2401a | 1851 | seoa2469 | 1907 | SEOA2535 |
| 1684 | SEOA2215a | 1740 | seoa2293an | 1796 | SEOA2402a | 1852 | seoa2470n | 1908 | SEOA2536 |
| 1685 | SEOA2217a | 1741 | SEOA2294a | 1797 | seoa2403a | 1853 | SEOA2471 | 1909 | SEOA2537 |
| 1686 | seoa2218a | 1742 | SEOA2295a | 1798 | SEOA2404a | 1854 | SEOA2472 | 1910 | seoa2539 |
| 1687 | SEOA2219a | 1743 | SEOA2296a | 1799 | SEOA2407 | 1855 | seoa2473m | 1911 | SEOA2540 |
| 1688 | SEOA2220a | 1744 | SEOA2298a | 1800 | SEOA2409 | 1856 | SEOA2476 | 1912 | SEOA2542 |
| 1689 | SEOA2221a | 1745 | SEOA2300a | 1801 | SEOA2410 | 1857 | SEOA2477 | 1913 | SEOA2544 |
| 1690 | SEOA2224a | 1746 | SEOA2301a | 1802 | SEOA2411 | 1858 | SEOA2478 | 1914 | SEOA2546 |
| 1691 | SEOA2227a | 1747 | SEOA2302a | 1803 | seoa2412n | 1859 | SEOA2479 | 1915 | seoa2547 |
| 1692 | SEOA2230a | 1748 | SEOA2303a | 1804 | SEOA2413 | 1860 | SEOA2480 | 1916 | SEOA2548 |
| 1693 | SEOA2232a | 1749 | SEOA2304a | 1805 | SEOA2414 | 1861 | SEOA2481 | 1917 | SEOA2550 |
| 1694 | SEOA2233a | 1750 | SEOA2305a | 1806 | seoa2415 | 1862 | seoa2482 | 1918 | seoa2554 |
| 1695 | SEOA2234a | 1751 | SEOA2308a | 1807 | SEOA2417a | 1863 | SEOA2484 | 1919 | SEOA2555 |
| 1696 | SEOA2235a | 1752 | SEOA2309a | 1808 | SEOA2418a | 1864 | SEOA2486 | 1920 | SEOA2556 |
| 1697 | SEOA2236a | 1753 | seoa2311a | 1809 | SEOA2419a | 1865 | SEOA2487 | 1921 | SEOA2557 |
| 1698 | SEOA2237a | 1754 | SEOA2313a | 1810 | SEOA2420a | 1866 | SEOA2488 | 1922 | seoa2559m |
| 1699 | SEOA2238a | 1755 | SEOA2320a | 1811 | SEOA2421a | 1867 | seoa2489m | 1923 | SEOA2561 |
| 1700 | SEOA2239a | 1756 | SEOA2326a | 1812 | SEOA2423a | 1868 | SEOA2490 | 1924 | SEOA2562 |
| 1701 | SEOA2240a | 1757 | SEOA2327a | 1813 | SEOA2424a | 1869 | seoa2491 | 1925 | SEOA2564 |
| 1702 | SEOA2241a | 1758 | SEOA2328a | 1814 | SEOA2425a | 1870 | SEOA2492 | 1926 | SEOA2566 |
| 1703 | SEOA2242a | 1759 | SEOA2331a | 1815 | SEOA2426a | 1871 | seoa2493 | 1927 | SEOA2567 |
| 1704 | SEOA2243a | 1760 | SEOA2333a | 1816 | SEOA2428a | 1872 | SEOA2495 | 1928 | SEOA2568 |
| 1705 | SEOA2244a | 1761 | SEOA2337a | 1817 | SEOA2429a | 1873 | seoa2496 | 1929 | SEOA2571 |
| 1706 | SEOA2245a | 1762 | SEOA2340a | 1818 | SEOA2430a | 1874 | SEOA2497 | 1930 | seoa2572n |
| 1707 | SEOA2246a | 1763 | SEOA2341a | 1819 | SEOA2431a | 1875 | SEOA2498 | 1931 | SEOA2573 |
| 1708 | SEOA2251a | 1764 | SEOA2343a | 1820 | SEOA2432a | 1876 | SEOA2499 | 1932 | SEOA2574 |
| 1709 | SEOA2253a | 1765 | SEOA2345a | 1821 | SEOA2433a | 1877 | seoa2500m | 1933 | SEOA2575 |
| 1710 | SEOA2254a | 1766 | SEOA2349a | 1822 | SEOA2434a | 1878 | SEOA2501 | 1934 | seoa2576m |
| 1711 | SEOA2255a | 1767 | SEOA2350a | 1823 | SEOA2435a | 1879 | SEOA2502 | 1935 | SEOA2578 |
| 1712 | SEOA2256a | 1768 | SEOA2351a | 1824 | SEOA2436a | 1880 | SEOA2504 | 1936 | seoa2579m |
| 1713 | SEOA2257a | 1769 | SEOA2352a | 1825 | SEOA2437a | 1881 | SEOA2505 | 1937 | seoa2580m |
| 1714 | SEOA2258a | 1770 | SEOA2354a | 1826 | SEOA2439a | 1882 | SEOA2506 | 1938 | SEOA2581 |
| 1715 | SEOA2259a | 1771 | SEOA2355a | 1827 | SEOA2441a | 1883 | SEOA2507 | 1939 | SEOA2583 |
| 1716 | SEOA2260a | 1772 | SEOA2356a | 1828 | SEOA2442a | 1884 | SEOA2508 | 1940 | seoa2584 |
| 1717 | SEOA2261a | 1773 | SEOA2357a | 1829 | SEOA2443a | 1885 | SEOA2509 | 1941 | seoa2585 |
| 1718 | SEOA2262a | 1774 | SEOA2358a | 1830 | SEOA2444a | 1886 | seoa2510m | 1942 | SEOA2585 |
| 1719 | seoa2263a | 1775 | SEOA2361a | 1831 | SEOA2445a | 1887 | SEOA2511 | 1943 | SEOA2586 |
| 1720 | SEOA2266a | 1776 | SEOA2362a | 1832 | SEOA2447a | 1888 | SEOA2512 | 1944 | SEOA2588 |
| 1721 | SEOA2268a | 1777 | SEOA2363a | 1833 | SEOA2448a | 1889 | SEOA2513 | 1945 | SEOA2589 |
| 1722 | SEOA2269a | 1778 | SEOA2365a | 1834 | SEOA2449a | 1890 | SEOA2514 | 1946 | SEOA2592 |
| 1723 | SEOA2270a | 1779 | SEOA2369a | 1835 | SEOA2451a | 1891 | seoa2515 | 1947 | SEOA2593m |
| 1724 | SEOA2271a | 1780 | SEOA2371a | 1836 | SEOA2452a | 1892 | seoa2516 | 1948 | SEOA2594 |
| 1725 | SEOA2272a | 1781 | SEOA2372a | 1837 | SEOA2453a | 1893 | SEOA2517 | 1949 | seoa2595 |
| 1726 | SEOA2273a | 1782 | SEOA2375a | 1838 | SEOA2454a | 1894 | SEOA2518 | 1950 | SEOA2596 |
| 1727 | SEOA2274a | 1783 | SEOA2378a | 1839 | SEOA2455a | 1895 | SEOA2519 | 1951 | seoa2599m |
| 1728 | SEOA2278a | 1784 | SEOA2381a | 1840 | SEOA2456a | 1896 | seoa2520m | 1952 | SEOA2601 |
| 1729 | SEOA2279 | 1785 | SEOA2383a | 1841 | SEOA2458a | 1897 | SEOA2522 | 1953 | seoa2602n |
| 1730 | SEOA2283a | 1786 | SEOA2385a | 1842 | SEOA2459a | 1898 | SEOA2523 | 1954 | SEOA2603 |
| 1731 | SEOA2284a | 1787 | SEOA2386a | 1843 | SEOA2460a | 1899 | SEOA2524 | 1955 | seoa2604m |
| 1732 | SEOA2285a | 1788 | SEOA2387a | 1844 | SEOA2461a | 1900 | SEOA2525 | 1956 | seoa2606m |
| 1733 | SEOA2286a | 1789 | SEOA2388a | 1845 | SEOA2462a | 1901 | SEOA2527 | 1957 | seoa2607mn |
| 1734 | SEOA2287a | 1790 | SEOA2389a | 1846 | SEOA2463a | 1902 | SEOA2528 | 1958 | SEOA2609 |
| 1735 | SEOA2288a | 1791 | SEOA2390a | 1847 | seoa2465 | 1903 | SEOA2529 | 1959 | SEOA2611 |
| 1736 | SEOA2289a | 1792 | SEOA2391a | 1848 | SEOA2466 | 1904 | SEOA2530 | 1960 | seoa2612n |

Figure 6E - Continued

| | | | | | | | | | |
|------|-----------|------|-----------|------|-----------|------|-----------|------|------------|
| 1961 | SEOA2613 | 2017 | SEOA2676n | 2073 | SEOA2758 | 2129 | seoa2826 | 2185 | SEOA2899a |
| 1962 | SEOA2614 | 2018 | seoa2678m | 2074 | SEOA2759 | 2130 | SEOA2827 | 2186 | SEOA2900a |
| 1963 | SEOA2615 | 2019 | seoa2679m | 2075 | seoa2760n | 2131 | SEOA2828 | 2187 | SEOA2901a |
| 1964 | SEOA2616 | 2020 | seoa2680m | 2076 | SEOA2761 | 2132 | SEOA2829 | 2188 | SEOA2903a |
| 1965 | seoa2617n | 2021 | SEOA2681 | 2077 | seoa2762 | 2133 | SEOA2830 | 2189 | SEOA2904a |
| 1966 | SEOA2618 | 2022 | seoa2682m | 2078 | SEOA2763 | 2134 | SEOA2831n | 2190 | SEOA2905a |
| 1967 | SEOA2619 | 2023 | SEOA2683 | 2079 | SEOA2764 | 2135 | SEOA2832 | 2191 | SEOA2906a |
| 1968 | SEOA2620 | 2024 | SEOA2684 | 2080 | SEOA2765 | 2136 | SEOA2833n | 2192 | SEOA2907a |
| 1969 | seoa2621 | 2025 | SEOA2685 | 2081 | SEOA2766 | 2137 | SEOA2837 | 2193 | SEOA2908a |
| 1970 | seoa2622 | 2026 | SEOA2686 | 2082 | SEOA2767 | 2138 | SEOA2838 | 2194 | SEOA2909a |
| 1971 | seoa2623 | 2027 | seoa2688m | 2083 | SEOA2768 | 2139 | SEOA2839 | 2195 | SEOA2910a |
| 1972 | SEOA2625 | 2028 | seoa2690m | 2084 | SEOA2769 | 2140 | SEOA2840 | 2196 | SEOA2911a |
| 1973 | SEOA2626 | 2029 | seoa2691m | 2085 | SEOA2770 | 2141 | SEOA2841 | 2197 | SEOA2912a |
| 1974 | SEOA2627 | 2030 | seoa2692m | 2086 | SEOA2771 | 2142 | SEOA2842 | 2198 | SEOA2913a |
| 1975 | SEOA2628 | 2031 | seoa2693m | 2087 | seoa2773 | 2143 | SEOA2843 | 2199 | SEOA2914a |
| 1976 | SEOA2629 | 2032 | seoa2696m | 2088 | seoa2774n | 2144 | SEOA2844 | 2200 | SEOA2915a |
| 1977 | SEOA2631 | 2033 | seoa2698m | 2089 | SEOA2775 | 2145 | SEOA2845 | 2201 | SEOA2917a |
| 1978 | SEOA2632 | 2034 | SEOA2699 | 2090 | seoa2776m | 2146 | SEOA2846 | 2202 | seoa2918an |
| 1979 | SEOA2633 | 2035 | SEOA2700 | 2091 | SEOA2777 | 2147 | SEOA2847n | 2203 | SEOA2919a |
| 1980 | SEOA2635 | 2036 | SEOA2702 | 2092 | seoa2782n | 2148 | SEOA2848 | 2204 | SEOA2920a |
| 1981 | SEOA2636 | 2037 | SEOA2703 | 2093 | seoa2783 | 2149 | SEOA2850 | 2205 | SEOA2921a |
| 1982 | SEOA2638 | 2038 | seoa2704n | 2094 | SEOA2784 | 2150 | SEOA2851 | 2206 | SEOA2922a |
| 1983 | SEOA2639 | 2039 | seoa2705m | 2095 | SEOA2786 | 2151 | SEOA2852 | 2207 | SEOA2924a |
| 1984 | seoa2640n | 2040 | SEOA2707 | 2096 | SEOA2788 | 2152 | SEOA2853 | 2208 | SEOA2926a |
| 1985 | seoa2641n | 2041 | SEOA2708 | 2097 | SEOA2789 | 2153 | SEOA2854 | 2209 | SEOA2927a |
| 1986 | SEOA2642 | 2042 | seoa2710 | 2098 | SEOA2790n | 2154 | SEOA2856 | 2210 | SEOA2928a |
| 1987 | seoa2643m | 2043 | SEOA2712 | 2099 | SEOA2792 | 2155 | SEOA2858 | 2211 | SEOA2929a |
| 1988 | SEOA2644 | 2044 | SEOA2713 | 2100 | SEOA2793 | 2156 | SEOA2859 | 2212 | SEOA2930a |
| 1989 | SEOA2645 | 2045 | SEOA2714 | 2101 | SEOA2794 | 2157 | SEOA2860 | 2213 | SEOA2931a |
| 1990 | seoa2647n | 2046 | SEOA2715 | 2102 | SEOA2795n | 2158 | SEOA2861 | 2214 | SEOA2932a |
| 1991 | SEOA2648 | 2047 | SEOA2716 | 2103 | SEOA2796n | 2159 | SEOA2862 | 2215 | SEOA2933a |
| 1992 | SEOA2649 | 2048 | seoa2718 | 2104 | SEOA2797 | 2160 | SEOA2863 | 2216 | SEOA2934a |
| 1993 | seoa2650n | 2049 | SEOA2719 | 2105 | SEOA2799 | 2161 | SEOA2866 | 2217 | SEOA2936a |
| 1994 | SEOA2651 | 2050 | SEOA2720 | 2106 | SEOA2800 | 2162 | SEOA2867 | 2218 | SEOA2937a |
| 1995 | SEOA2652 | 2051 | SEOA2723 | 2107 | SEOA2801 | 2163 | SEOA2868 | 2219 | SEOA2938a |
| 1996 | SEOA2653 | 2052 | SEOA2726 | 2108 | SEOA2802 | 2164 | seoa2869m | 2220 | SEOA2940a |
| 1997 | SEOA2654 | 2053 | SEOA2727 | 2109 | SEOA2803 | 2165 | SEOA2870 | 2221 | SEOA2941a |
| 1998 | seoa2655n | 2054 | SEOA2728 | 2110 | SEOA2804 | 2166 | SEOA2871 | 2222 | SEOA2942a |
| 1999 | SEOA2656 | 2055 | SEOA2729 | 2111 | SEOA2805 | 2167 | SEOA2872 | 2223 | SEOA2943a |
| 2000 | SEOA2657 | 2056 | SEOA2732 | 2112 | SEOA2806 | 2168 | SEOA2874 | 2224 | SEOA2944a |
| 2001 | SEOA2658 | 2057 | SEOA2734 | 2113 | seoa2807 | 2169 | SEOA2875 | 2225 | SEOA2945a |
| 2002 | SEOA2659 | 2058 | seoa2738m | 2114 | seoa2809m | 2170 | SEOA2876 | 2226 | SEOA2946a |
| 2003 | seoa2660m | 2059 | SEOA2739 | 2115 | seoa2811 | 2171 | SEOA2877 | 2227 | SEOA2949a |
| 2004 | SEOA2661 | 2060 | SEOA2740 | 2116 | seoa2812m | 2172 | SEOA2879 | 2228 | SEOA2952a |
| 2005 | seoa2662 | 2061 | SEOA2741 | 2117 | SEOA2813 | 2173 | SEOA2882 | 2229 | SEOA2954a |
| 2006 | SEOA2664 | 2062 | SEOA2742 | 2118 | SEOA2814 | 2174 | SEOA2883n | 2230 | SEOA2955a |
| 2007 | SEOA2665 | 2063 | SEOA2744 | 2119 | SEOA2815 | 2175 | SEOA2884n | 2231 | SEOA2956a |
| 2008 | SEOA2666 | 2064 | SEOA2746 | 2120 | seoa2816n | 2176 | SEOA2885n | 2232 | SEOA2957a |
| 2009 | SEOA2667 | 2065 | SEOA2747 | 2121 | SEOA2817n | 2177 | SEOA2886a | 2233 | SEOA2958a |
| 2010 | SEOA2668 | 2066 | SEOA2750 | 2122 | SEOA2818 | 2178 | SEOA2889a | 2234 | SEOA2959a |
| 2011 | SEOA2669 | 2067 | SEOA2751 | 2123 | SEOA2819 | 2179 | seoa2891a | 2235 | SEOA2961a |
| 2012 | SEOA2670 | 2068 | seoa2752n | 2124 | seoa2820n | 2180 | SEOA2892a | 2236 | SEOA2962a |
| 2013 | seoa2672m | 2069 | SEOA2754 | 2125 | SEOA2822 | 2181 | SEOA2893a | 2237 | SEOA2964a |
| 2014 | seoa2674 | 2070 | SEOA2755 | 2126 | SEOA2823 | 2182 | SEOA2895a | 2238 | SEOA2965a |
| 2015 | SEOA2675n | 2071 | SEOA2756 | 2127 | SEOA2824 | 2183 | SEOA2896a | 2239 | SEOA2966a |
| 2016 | seoa2676 | 2072 | seoa2757n | 2128 | SEOA2825n | 2184 | seoa2898a | 2240 | SEOA2967a |

Figure 6E - Continued

| | | | | | | | | | |
|------|-----------|------|------------|------|------------|------|------------|------|-----------|
| 2241 | SEOA2968a | 2297 | SEOA3036a | 2353 | SEOA3126a | 2409 | seoa3199m | 2465 | SEOA3268 |
| 2242 | SEOA2970a | 2298 | SEOA3038a | 2354 | SEOA3127a | 2410 | SEOA3200 | 2466 | SEOA3269 |
| 2243 | SEOA2971a | 2299 | SEOA3041a | 2355 | SEOA3128a | 2411 | SEOA3201 | 2467 | seoa3270n |
| 2244 | SEOA2972a | 2300 | SEOA3042a | 2356 | SEOA3129a | 2412 | SEOA3202 | 2468 | seoa3271n |
| 2245 | SEOA2974a | 2301 | SEOA3043a | 2357 | SEOA3130a | 2413 | SEOA3204 | 2469 | seoa3272n |
| 2246 | SEOA2975a | 2302 | SEOA3048a | 2358 | SEOA3131a | 2414 | seoa3205n | 2470 | SEOA3273n |
| 2247 | SEOA2977a | 2303 | SEOA3049a | 2359 | SEOA3132a | 2415 | SEOA3207 | 2471 | SEOA3274n |
| 2248 | SEOA2978a | 2304 | seoa3051a | 2360 | SEOA3133a | 2416 | SEOA3208 | 2472 | SEOA3276 |
| 2249 | SEOA2979a | 2305 | SEOA3052a | 2361 | SEOA3134a | 2417 | seoa3209 | 2473 | SEOA3277n |
| 2250 | SEOA2981a | 2306 | SEOA3053a | 2362 | SEOA3135a | 2418 | SEOA3212 | 2474 | SEOA3287 |
| 2251 | SEOA2982a | 2307 | seoa3055a | 2363 | seoa3137m | 2419 | SEOA3213 | 2475 | SEOA3288 |
| 2252 | SEOA2983a | 2308 | SEOA3057a | 2364 | SEOA3138 | 2420 | SEOA3214 | 2476 | seoa3289n |
| 2253 | SEOA2984a | 2309 | SEOA3062a | 2365 | SEOA3139 | 2421 | SEOA3215 | 2477 | seoa3290n |
| 2254 | SEOA2985a | 2310 | SEOA3063a | 2366 | SEOA3140 | 2422 | seoa3216 | 2478 | SEOA3291 |
| 2255 | SEOA2986a | 2311 | SEOA3064a | 2367 | seoa3143n | 2423 | seoa3217 | 2479 | SEOA3293 |
| 2256 | SEOA2987a | 2312 | SEOA3065a | 2368 | SEOA3144 | 2424 | SEOA3218 | 2480 | SEOA3294 |
| 2257 | SEOA2989a | 2313 | SEOA3067a | 2369 | seoa3145m | 2425 | SEOA3219 | 2481 | seoa3295n |
| 2258 | SEOA2990a | 2314 | SEOA3069a | 2370 | seoa3146m | 2426 | seoa3221m | 2482 | SEOA3296 |
| 2259 | SEOA2992a | 2315 | SEOA3070a | 2371 | SEOA3147 | 2427 | SEOA3222 | 2483 | SEOA3299 |
| 2260 | SEOA2993a | 2316 | SEOA3074a | 2372 | SEOA3149 | 2428 | SEOA3223 | 2484 | SEOA3300 |
| 2261 | SEOA2994a | 2317 | SEOA3075a | 2373 | seoa3150m | 2429 | SEOA3224 | 2485 | SEOA3303 |
| 2262 | SEOA2995a | 2318 | seoa3076a | 2374 | seoa3152m | 2430 | SEOA3225 | 2486 | SEOA3305n |
| 2263 | SEOA2996a | 2319 | SEOA3077a | 2375 | seoa3153m | 2431 | seoa3226 | 2487 | SEOA3306 |
| 2264 | SEOA2997a | 2320 | SEOA3078a | 2376 | seoa3156mn | 2432 | SEOA3227 | 2488 | SEOA3307 |
| 2265 | SEOA2998a | 2321 | seoa3079a | 2377 | seoa3157m | 2433 | SEOA3228 | 2489 | SEOA3308 |
| 2266 | SEOA2999a | 2322 | SEOA3080a | 2378 | seoa3162m | 2434 | SEOA3229 | 2490 | SEOA3309 |
| 2267 | SEOA3000a | 2323 | seoa3081a | 2379 | seoa3164m | 2435 | SEOA3230 | 2491 | seoa3311m |
| 2268 | SEOA3001a | 2324 | SEOA3083a | 2380 | SEOA3165 | 2436 | seoa3231 | 2492 | seoa3314a |
| 2269 | SEOA3002a | 2325 | seoa3084an | 2381 | SEOA3166 | 2437 | SEOA3232 | 2493 | SEOA3315a |
| 2270 | SEOA3003a | 2326 | SEOA3085a | 2382 | seoa3167m | 2438 | SEOA3233n | 2494 | seoa3317a |
| 2271 | SEOA3004a | 2327 | SEOA3088a | 2383 | seoa3168mn | 2439 | seoa3235mn | 2495 | SEOA3318a |
| 2272 | SEOA3006a | 2328 | SEOA3090a | 2384 | seoa3170m | 2440 | seoa3238 | 2496 | SEOA3319a |
| 2273 | SEOA3007a | 2329 | SEOA3091a | 2385 | SEOA3171n | 2441 | seoa3239m | 2497 | SEOA3322a |
| 2274 | SEOA3008a | 2330 | SEOA3092a | 2386 | seoa3173n | 2442 | SEOA3240 | 2498 | SEOA3324a |
| 2275 | seoa3009a | 2331 | SEOA3093a | 2387 | SEOA3174 | 2443 | SEOA3241 | 2499 | SEOA3325a |
| 2276 | SEOA3010a | 2332 | SEOA3094a | 2388 | SEOA3175 | 2444 | SEOA3242n | 2500 | SEOA3328a |
| 2277 | SEOA3012a | 2333 | SEOA3095a | 2389 | seoa3176m | 2445 | SEOA3243 | 2501 | SEOA3329a |
| 2278 | SEOA3013a | 2334 | SEOA3097a | 2390 | seoa3177m | 2446 | SEOA3244 | 2502 | SEOA3330a |
| 2279 | SEOA3014a | 2335 | SEOA3098a | 2391 | seoa3178m | 2447 | SEOA3245 | 2503 | SEOA3331a |
| 2280 | SEOA3015a | 2336 | SEOA3099a | 2392 | SEOA3179n | 2448 | SEOA3246 | 2504 | SEOA3335a |
| 2281 | SEOA3016a | 2337 | SEOA3101a | 2393 | SEOA3180n | 2449 | SEOA3247 | 2505 | SEOA3337a |
| 2282 | SEOA3017a | 2338 | SEOA3102a | 2394 | SEOA3181 | 2450 | seoa3248 | 2506 | SEOA3338a |
| 2283 | SEOA3018a | 2339 | SEOA3103a | 2395 | SEOA3183 | 2451 | seoa3249 | 2507 | SEOA3340a |
| 2284 | SEOA3019a | 2340 | SEOA3105a | 2396 | SEOA3184 | 2452 | seoa3250m | 2508 | SEOA3341a |
| 2285 | SEOA3020a | 2341 | SEOA3106a | 2397 | SEOA3186 | 2453 | seoa3251m | 2509 | SEOA3343a |
| 2286 | SEOA3021a | 2342 | SEOA3108a | 2398 | SEOA3187 | 2454 | seoa3252m | 2510 | SEOA3344a |
| 2287 | SEOA3023a | 2343 | SEOA3109a | 2399 | SEOA3188 | 2455 | seoa3254m | 2511 | SEOA3345a |
| 2288 | SEOA3026a | 2344 | SEOA3110a | 2400 | SEOA3189 | 2456 | SEOA3255 | 2512 | SEOA3348a |
| 2289 | SEOA3027a | 2345 | SEOA3111a | 2401 | SEOA3190 | 2457 | SEOA3256n | 2513 | SEOA3349a |
| 2290 | SEOA3028a | 2346 | seoa3116an | 2402 | seoa3191n | 2458 | seoa3257m | 2514 | SEOA3350a |
| 2291 | SEOA3029a | 2347 | SEOA3117a | 2403 | SEOA3192 | 2459 | seoa3258m | 2515 | SEOA3352a |
| 2292 | SEOA3031a | 2348 | SEOA3118a | 2404 | SEOA3194 | 2460 | SEOA3261 | 2516 | SEOA3353a |
| 2293 | SEOA3032a | 2349 | SEOA3121a | 2405 | SEOA3195 | 2461 | SEOA3263 | 2517 | SEOA3355a |
| 2294 | SEOA3033a | 2350 | SEOA3122a | 2406 | SEOA3196 | 2462 | SEOA3264 | 2518 | SEOA3356a |
| 2295 | SEOA3034a | 2351 | SEOA3124a | 2407 | SEOA3197 | 2463 | SEOA3266 | 2519 | SEOA3357a |
| 2296 | SEOA3035a | 2352 | SEOA3125a | 2408 | SEOA3198 | 2464 | SEOA3267 | 2520 | SEOA3358a |

Figure 6E - Continued

| | | | | | | | | | |
|------|-----------|------|-----------|------|-----------|------|-----------|------|-----------|
| 2521 | SEO3359a | 2577 | seo3443a | 2633 | SEO3535a | 2689 | SEO3608a | 2745 | seo3675a |
| 2522 | SEO3361a | 2578 | seo3444an | 2634 | SEO3537a | 2690 | SEO3609a | 2746 | SEO3678a |
| 2523 | SEO3363a | 2579 | SEO3445a | 2635 | SEO3538a | 2691 | seo3610an | 2747 | SEO3679a |
| 2524 | SEO3366a | 2580 | SEO3446a | 2636 | SEO3539a | 2692 | SEO3613a | 2748 | SEO3680a |
| 2525 | SEO3369a | 2581 | seo3449a | 2637 | SEO3540a | 2693 | SEO3614a | 2749 | SEO3683a |
| 2526 | SEO3371a | 2582 | SEO3450a | 2638 | SEO3541a | 2694 | SEO3615a | 2750 | SEO3685a |
| 2527 | SEO3373a | 2583 | SEO3451a | 2639 | SEO3542a | 2695 | SEO3616a | 2751 | SEO3686a |
| 2528 | SEO3374a | 2584 | SEO3454a | 2640 | SEO3543a | 2696 | SEO3617a | 2752 | seo3687an |
| 2529 | SEO3375a | 2585 | SEO3456a | 2641 | SEO3544a | 2697 | SEO3618a | 2753 | SEO3688a |
| 2530 | SEO3376a | 2586 | SEO3457a | 2642 | SEO3545a | 2698 | SEO3620a | 2754 | SEO3689a |
| 2531 | seo3378an | 2587 | SEO3458a | 2643 | SEO3546a | 2699 | SEO3622a | 2755 | SEO3690a |
| 2532 | seo3379an | 2588 | SEO3466a | 2644 | SEO3547a | 2700 | SEO3623a | 2756 | SEO3691a |
| 2533 | SEO3381a | 2589 | SEO3467a | 2645 | SEO3548a | 2701 | SEO3624a | 2757 | SEO3692a |
| 2534 | SEO3382a | 2590 | SEO3468a | 2646 | SEO3549a | 2702 | SEO3625a | 2758 | SEO3693a |
| 2535 | SEO3383a | 2591 | SEO3469a | 2647 | SEO3551a | 2703 | SEO3627a | 2759 | SEO3694a |
| 2536 | SEO3384a | 2592 | SEO3472a | 2648 | SEO3552a | 2704 | SEO3628a | 2760 | SEO3695a |
| 2537 | SEO3385a | 2593 | SEO3473a | 2649 | SEO3554a | 2705 | seo3629an | 2761 | SEO3697a |
| 2538 | SEO3386a | 2594 | SEO3474a | 2650 | SEO3555a | 2706 | SEO3630a | 2762 | SEO3698a |
| 2539 | SEO3387a | 2595 | seo3475an | 2651 | SEO3556a | 2707 | SEO3631a | 2763 | SEO3700a |
| 2540 | SEO3388a | 2596 | seo3476a | 2652 | SEO3557a | 2708 | SEO3632a | 2764 | SEO3701a |
| 2541 | SEO3389a | 2597 | SEO3477a | 2653 | SEO3559a | 2709 | SEO3633a | 2765 | SEO3702a |
| 2542 | SEO3390a | 2598 | SEO3478a | 2654 | SEO3560a | 2710 | SEO3634a | 2766 | SEO3703a |
| 2543 | SEO3391a | 2599 | SEO3486a | 2655 | SEO3561a | 2711 | SEO3635a | 2767 | SEO3704a |
| 2544 | SEO3392a | 2600 | SEO3489a | 2656 | SEO3563a | 2712 | SEO3637a | 2768 | SEO3705a |
| 2545 | SEO3393a | 2601 | SEO3490a | 2657 | SEO3564a | 2713 | seo3638an | 2769 | SEO3706a |
| 2546 | SEO3394a | 2602 | SEO3491a | 2658 | SEO3565a | 2714 | SEO3639a | 2770 | SEO3708a |
| 2547 | SEO3395a | 2603 | SEO3492a | 2659 | SEO3566a | 2715 | SEO3640a | 2771 | SEO3709a |
| 2548 | SEO3396a | 2604 | SEO3494a | 2660 | SEO3567a | 2716 | SEO3641a | 2772 | SEO3710a |
| 2549 | SEO3397a | 2605 | SEO3495a | 2661 | SEO3568a | 2717 | SEO3642a | 2773 | SEO3711a |
| 2550 | SEO3399a | 2606 | SEO3496a | 2662 | SEO3571a | 2718 | SEO3643a | 2774 | SEO3712a |
| 2551 | SEO3400a | 2607 | SEO3498a | 2663 | SEO3572a | 2719 | SEO3644a | 2775 | SEO3713a |
| 2552 | SEO3401a | 2608 | SEO3499a | 2664 | SEO3573a | 2720 | SEO3645a | 2776 | SEO3714a |
| 2553 | SEO3402a | 2609 | SEO3500a | 2665 | SEO3575a | 2721 | SEO3646a | 2777 | SEO3715a |
| 2554 | SEO3403a | 2610 | SEO3501a | 2666 | SEO3576a | 2722 | SEO3647a | 2778 | seo3716a |
| 2555 | SEO3404a | 2611 | SEO3502a | 2667 | SEO3577a | 2723 | SEO3648a | 2779 | SEO3717a |
| 2556 | SEO3405a | 2612 | SEO3503a | 2668 | SEO3578a | 2724 | SEO3650a | 2780 | SEO3718a |
| 2557 | SEO3408a | 2613 | SEO3504a | 2669 | SEO3579a | 2725 | SEO3651a | 2781 | SEO3719a |
| 2558 | seo3411an | 2614 | SEO3505a | 2670 | SEO3580a | 2726 | SEO3652a | 2782 | SEO3720a |
| 2559 | SEO3412a | 2615 | SEO3506a | 2671 | SEO3582a | 2727 | SEO3653a | 2783 | SEO3721a |
| 2560 | seo3414an | 2616 | SEO3507a | 2672 | SEO3583a | 2728 | SEO3654a | 2784 | SEO3722a |
| 2561 | SEO3415a | 2617 | SEO3509a | 2673 | SEO3584a | 2729 | SEO3655a | 2785 | SEO3725a |
| 2562 | SEO3416a | 2618 | SEO3510a | 2674 | SEO3587a | 2730 | SEO3658a | 2786 | SEO3729a |
| 2563 | SEO3417a | 2619 | SEO3511a | 2675 | SEO3588a | 2731 | SEO3659a | 2787 | SEO3731a |
| 2564 | SEO3419a | 2620 | seo3512a | 2676 | SEO3589a | 2732 | SEO3660a | 2788 | SEO3733a |
| 2565 | SEO3420a | 2621 | SEO3513a | 2677 | SEO3591a | 2733 | SEO3662a | 2789 | SEO3734a |
| 2566 | SEO3421a | 2622 | SEO3514a | 2678 | seo3592a | 2734 | SEO3663a | 2790 | SEO3735a |
| 2567 | SEO3422a | 2623 | SEO3515a | 2679 | SEO3593a | 2735 | SEO3664a | 2791 | SEO3736a |
| 2568 | seo3423an | 2624 | SEO3516a | 2680 | seo3596an | 2736 | SEO3665a | 2792 | SEO3737a |
| 2569 | seo3424an | 2625 | SEO3521a | 2681 | seo3597a | 2737 | SEO3666a | 2793 | SEO3738a |
| 2570 | SEO3425a | 2626 | SEO3524a | 2682 | SEO3598a | 2738 | SEO3667a | 2794 | SEO3739a |
| 2571 | SEO3426a | 2627 | SEO3525a | 2683 | SEO3600a | 2739 | SEO3668a | 2795 | SEO3740a |
| 2572 | SEO3428a | 2628 | SEO3527a | 2684 | SEO3601a | 2740 | SEO3669a | 2796 | SEO3741a |
| 2573 | SEO3429a | 2629 | SEO3529a | 2685 | SEO3602a | 2741 | SEO3670a | 2797 | SEO3742a |
| 2574 | SEO3430a | 2630 | SEO3530a | 2686 | SEO3603a | 2742 | SEO3671a | 2798 | seo3743an |
| 2575 | SEO3433a | 2631 | SEO3531a | 2687 | SEO3604a | 2743 | SEO3673a | 2799 | SEO3744a |
| 2576 | SEO3434a | 2632 | SEO3533a | 2688 | SEO3606a | 2744 | seo3674an | 2800 | SEO3746a |

Figure 6E – Continued

| | | | | | | | | | |
|------|------------|------|-----------|------|-----------|------|-----------|------|------------|
| 2801 | SEOA3747a | 2857 | SEOA3827a | 2913 | SEOA3900 | 2969 | SEOA3965a | 3025 | SEOA4037a |
| 2802 | SEOA3748a | 2858 | SEOA3828a | 2914 | SEOA3901 | 2970 | SEOA3966a | 3026 | SEOA4038a |
| 2803 | SEOA3749a | 2859 | SEOA3835 | 2915 | SEOA3902 | 2971 | SEOA3967a | 3027 | SEOA4040a |
| 2804 | SEOA3750a | 2860 | seoa3836n | 2916 | SEOA3904 | 2972 | SEOA3968a | 3028 | SEOA4041a |
| 2805 | SEOA3751a | 2861 | SEOA3837 | 2917 | SEOA3905 | 2973 | SEOA3970a | 3029 | SEOA4043a |
| 2806 | SEOA3752a | 2862 | SEOA3838 | 2918 | SEOA3906 | 2974 | SEOA3971a | 3030 | SEOA4044a |
| 2807 | SEOA3755a | 2863 | SEOA3839 | 2919 | SEOA3907 | 2975 | SEOA3972a | 3031 | SEOA4048a |
| 2808 | SEOA3757a | 2864 | SEOA3840 | 2920 | SEOA3908 | 2976 | SEOA3973a | 3032 | SEOA4052a |
| 2809 | SEOA3758a | 2865 | SEOA3841 | 2921 | SEOA3909 | 2977 | SEOA3974a | 3033 | SEOA4053a |
| 2810 | SEOA3759a | 2866 | SEOA3842 | 2922 | SEOA3910 | 2978 | seoa3975a | 3034 | SEOA4055 |
| 2811 | SEOA3761a | 2867 | SEOA3843 | 2923 | SEOA3911 | 2979 | SEOA3976a | 3035 | SEOA4056 |
| 2812 | SEOA3763a | 2868 | SEOA3844 | 2924 | SEOA3912 | 2980 | SEOA3977a | 3036 | seoa4057 |
| 2813 | SEOA3765a | 2869 | SEOA3845 | 2925 | SEOA3913 | 2981 | SEOA3978a | 3037 | seoa4058n |
| 2814 | SEOA3766a | 2870 | SEOA3846 | 2926 | seoa3914n | 2982 | SEOA3980a | 3038 | SEOA4061 |
| 2815 | SEOA3767a | 2871 | SEOA3847 | 2927 | SEOA3916 | 2983 | SEOA3981a | 3039 | SEOA4062 |
| 2816 | SEOA3768a | 2872 | SEOA3848 | 2928 | SEOA3917 | 2984 | SEOA3982a | 3040 | SEOA4063 |
| 2817 | SEOA3770a | 2873 | SEOA3849 | 2929 | SEOA3918 | 2985 | SEOA3983a | 3041 | SEOA4066 |
| 2818 | SEOA3771 | 2874 | SEOA3850 | 2930 | SEOA3919 | 2986 | SEOA3987a | 3042 | seoa4068 |
| 2819 | SEOA3773a | 2875 | SEOA3852 | 2931 | SEOA3920 | 2987 | SEOA3988a | 3043 | SEOA4070 |
| 2820 | SEOA3774a | 2876 | SEOA3853 | 2932 | SEOA3921 | 2988 | SEOA3989a | 3044 | SEOA4072 |
| 2821 | SEOA3775a | 2877 | SEOA3855 | 2933 | SEOA3922 | 2989 | SEOA3990a | 3045 | SEOA4075 |
| 2822 | SEOA3776a | 2878 | SEOA3856 | 2934 | SEOA3923 | 2990 | SEOA3993a | 3046 | SEOA4076 |
| 2823 | SEOA3777a | 2879 | SEOA3857 | 2935 | seoa3924 | 2991 | SEOA3995a | 3047 | SEOA4077 |
| 2824 | SEOA3778a | 2880 | SEOA3858 | 2936 | SEOA3925 | 2992 | SEOA3996a | 3048 | SEOA4078 |
| 2825 | SEOA3779a | 2881 | SEOA3859 | 2937 | SEOA3926 | 2993 | SEOA3997a | 3049 | seoa4079 |
| 2826 | SEOA3780a | 2882 | SEOA3860 | 2938 | SEOA3927 | 2994 | SEOA3998a | 3050 | SEOA4081 |
| 2827 | seoa3790a | 2883 | SEOA3861 | 2939 | SEOA3929 | 2995 | seoa3999a | 3051 | SEOA4082 |
| 2828 | SEOA3791a | 2884 | SEOA3862 | 2940 | SEOA3930 | 2996 | SEOA4000a | 3052 | SEOA4083 |
| 2829 | SEOA3792a | 2885 | SEOA3863 | 2941 | SEOA3931 | 2997 | seoa4001a | 3053 | SEOA4084 |
| 2830 | SEOA3793a | 2886 | SEOA3864 | 2942 | SEOA3932 | 2998 | SEOA4002a | 3054 | SEOA4085 |
| 2831 | seoa3794an | 2887 | SEOA3867 | 2943 | SEOA3933 | 2999 | SEOA4003a | 3055 | SEOA4086 |
| 2832 | seoa3795a | 2888 | seoa3868 | 2944 | SEOA3934 | 3000 | SEOA4005a | 3056 | SEOA4087 |
| 2833 | SEOA3796a | 2889 | SEOA3870 | 2945 | SEOA3935 | 3001 | SEOA4006a | 3057 | SEOA4088 |
| 2834 | SEOA3797a | 2890 | SEOA3871 | 2946 | SEOA3936 | 3002 | SEOA4007a | 3058 | SEOA4092 |
| 2835 | SEOA3799a | 2891 | SEOA3872 | 2947 | SEOA3937 | 3003 | SEOA4009a | 3059 | SEOA4094 |
| 2836 | seoa3800a | 2892 | SEOA3875 | 2948 | seoa3938n | 3004 | SEOA4010a | 3060 | SEOA4095 |
| 2837 | SEOA3801a | 2893 | SEOA3876 | 2949 | SEOA3939 | 3005 | SEOA4011a | 3061 | SEOA4098a |
| 2838 | SEOA3802a | 2894 | seoa3877n | 2950 | SEOA3940 | 3006 | SEOA4012a | 3062 | SEOA4099a |
| 2839 | SEOA3803a | 2895 | SEOA3878 | 2951 | SEOA3941 | 3007 | SEOA4013a | 3063 | seoa4100a |
| 2840 | SEOA3804a | 2896 | SEOA3879 | 2952 | SEOA3942a | 3008 | seoa4014a | 3064 | SEOA4101a |
| 2841 | SEOA3807a | 2897 | SEOA3881 | 2953 | SEOA3944a | 3009 | SEOA4017a | 3065 | seoa4102an |
| 2842 | SEOA3808a | 2898 | SEOA3883 | 2954 | SEOA3946a | 3010 | SEOA4019a | 3066 | SEOA4106a |
| 2843 | SEOA3810a | 2899 | SEOA3884 | 2955 | SEOA3947a | 3011 | SEOA4020a | 3067 | SEOA4107a |
| 2844 | SEOA3811a | 2900 | SEOA3885 | 2956 | SEOA3948a | 3012 | SEOA4021a | 3068 | SEOA4108a |
| 2845 | SEOA3812a | 2901 | SEOA3886 | 2957 | SEOA3949a | 3013 | SEOA4022a | 3069 | SEOA4109a |
| 2846 | SEOA3813a | 2902 | SEOA3887 | 2958 | SEOA3953a | 3014 | SEOA4023a | 3070 | SEOA4110a |
| 2847 | SEOA3814a | 2903 | seoa3890n | 2959 | SEOA3954a | 3015 | SEOA4024a | 3071 | SEOA4111a |
| 2848 | SEOA3815a | 2904 | SEOA3891 | 2960 | SEOA3956a | 3016 | SEOA4025a | 3072 | SEOA4112a |
| 2849 | SEOA3816a | 2905 | SEOA3892 | 2961 | SEOA3957a | 3017 | SEOA4026a | 3073 | SEOA4115a |
| 2850 | SEOA3817a | 2906 | SEOA3893 | 2962 | SEOA3958a | 3018 | SEOA4027a | 3074 | SEOA4116a |
| 2851 | SEOA3819a | 2907 | SEOA3894 | 2963 | SEOA3959a | 3019 | SEOA4029a | 3075 | SEOA4119a |
| 2852 | SEOA3820a | 2908 | SEOA3895 | 2964 | SEOA3960a | 3020 | SEOA4031a | 3076 | SEOA4120a |
| 2853 | SEOA3821a | 2909 | seoa3896n | 2965 | SEOA3961a | 3021 | SEOA4032a | 3077 | SEOA4121a |
| 2854 | SEOA3822a | 2910 | SEOA3897 | 2966 | SEOA3962a | 3022 | SEOA4034a | 3078 | seoa4122a |
| 2855 | SEOA3824a | 2911 | seoa3898n | 2967 | SEOA3963a | 3023 | SEOA4035a | 3079 | seoa4123an |
| 2856 | SEOA3825a | 2912 | seoa3899n | 2968 | SEOA3964a | 3024 | SEOA4036a | 3080 | SEOA4125a |

Figure 6E – Continued

| | | | | | | | | | |
|------|------------|------|-----------|------|------------|------|-----------|------|-----------|
| 3081 | SEO44127a | 3137 | SEO44204a | 3193 | seo4300a | 3249 | SEO44381a | 3305 | SEO44455a |
| 3082 | SEO44128a | 3138 | SEO44205a | 3194 | SEO44301a | 3250 | SEO44382a | 3306 | SEO44457a |
| 3083 | SEO44129a | 3139 | SEO44206a | 3195 | SEO44302a | 3251 | seo4383a | 3307 | SEO44458a |
| 3084 | SEO44131a | 3140 | SEO44207a | 3196 | SEO44303a | 3252 | SEO44384a | 3308 | SEO44460a |
| 3085 | SEO44132a | 3141 | SEO44208a | 3197 | SEO44305a | 3253 | SEO44385a | 3309 | SEO44461a |
| 3086 | SEO44133a | 3142 | SEO44210a | 3198 | SEO44306a | 3254 | SEO44386a | 3310 | SEO44462a |
| 3087 | SEO44135a | 3143 | seo44211a | 3199 | seo44309a | 3255 | SEO44387a | 3311 | SEO44463a |
| 3088 | SEO44137a | 3144 | SEO44213a | 3200 | SEO44310a | 3256 | seo44388a | 3312 | SEO44464a |
| 3089 | SEO44139a | 3145 | SEO44214a | 3201 | SEO44311a | 3257 | SEO44390a | 3313 | SEO44467a |
| 3090 | SEO44140a | 3146 | SEO44215a | 3202 | SEO44312a | 3258 | SEO44391a | 3314 | SEO44469a |
| 3091 | SEO44141a | 3147 | SEO44217a | 3203 | SEO44314a | 3259 | SEO44392a | 3315 | SEO44473a |
| 3092 | SEO44142a | 3148 | SEO44218a | 3204 | SEO44315a | 3260 | SEO44394a | 3316 | SEO44475a |
| 3093 | SEO44144a | 3149 | SEO44221a | 3205 | SEO44316a | 3261 | SEO44395a | 3317 | SEO44476a |
| 3094 | SEO44146a | 3150 | SEO44223a | 3206 | SEO44317a | 3262 | SEO44396a | 3318 | SEO44477a |
| 3095 | SEO44147a | 3151 | SEO44224a | 3207 | SEO44319a | 3263 | SEO44397a | 3319 | SEO44478a |
| 3096 | SEO44148a | 3152 | SEO44225a | 3208 | SEO44320a | 3264 | SEO44398a | 3320 | SEO44479a |
| 3097 | seo44149an | 3153 | SEO44229a | 3209 | SEO44322a | 3265 | SEO44400a | 3321 | SEO44481 |
| 3098 | SEO44151a | 3154 | SEO44230a | 3210 | SEO44323a | 3266 | SEO44402a | 3322 | SEO44482 |
| 3099 | SEO44152a | 3155 | SEO44231a | 3211 | SEO44324a | 3267 | SEO44403a | 3323 | SEO44484 |
| 3100 | SEO44154a | 3156 | seo44232a | 3212 | SEO44325a | 3268 | SEO44404a | 3324 | SEO44485 |
| 3101 | SEO44155a | 3157 | SEO44234a | 3213 | SEO44327a | 3269 | SEO44405a | 3325 | SEO44487 |
| 3102 | SEO44156a | 3158 | SEO44239a | 3214 | SEO44329a | 3270 | SEO44406a | 3326 | SEO44489 |
| 3103 | SEO44157a | 3159 | SEO44241a | 3215 | SEO44330a | 3271 | SEO44408a | 3327 | SEO44490 |
| 3104 | SEO44158a | 3160 | SEO44242a | 3216 | SEO44332a | 3272 | SEO44409a | 3328 | SEO44491 |
| 3105 | SEO44159a | 3161 | SEO44245a | 3217 | SEO44333 | 3273 | SEO44410a | 3329 | SEO44492 |
| 3106 | SEO44160a | 3162 | SEO44246a | 3218 | SEO44335a | 3274 | SEO44411a | 3330 | SEO44494 |
| 3107 | SEO44163a | 3163 | SEO44247a | 3219 | SEO44336a | 3275 | SEO44412a | 3331 | SEO44495 |
| 3108 | SEO44164a | 3164 | SEO44248a | 3220 | seo44337an | 3276 | SEO44413a | 3332 | SEO44496 |
| 3109 | SEO44165a | 3165 | SEO44250a | 3221 | SEO44338a | 3277 | SEO44414a | 3333 | SEO44497 |
| 3110 | SEO44167a | 3166 | SEO44253a | 3222 | SEO44341a | 3278 | SEO44416a | 3334 | SEO44498 |
| 3111 | SEO44169a | 3167 | SEO44255a | 3223 | SEO44342a | 3279 | SEO44418a | 3335 | SEO44499 |
| 3112 | SEO44170a | 3168 | SEO44257a | 3224 | SEO44343a | 3280 | SEO44420a | 3336 | SEO44501 |
| 3113 | SEO44171a | 3169 | SEO44258a | 3225 | SEO44346a | 3281 | SEO44421a | 3337 | SEO44502 |
| 3114 | SEO44172a | 3170 | seo44261a | 3226 | SEO44347a | 3282 | SEO44422a | 3338 | SEO44504 |
| 3115 | SEO44173a | 3171 | SEO44262a | 3227 | SEO44348a | 3283 | SEO44423a | 3339 | SEO44505 |
| 3116 | SEO44174a | 3172 | SEO44263a | 3228 | SEO44350a | 3284 | SEO44424a | 3340 | SEO44506 |
| 3117 | SEO44175a | 3173 | SEO44264a | 3229 | SEO44352a | 3285 | SEO44425a | 3341 | SEO44507 |
| 3118 | SEO44177a | 3174 | SEO44265a | 3230 | SEO44354a | 3286 | seo44427a | 3342 | SEO44508 |
| 3119 | SEO44178a | 3175 | SEO44266a | 3231 | SEO44355a | 3287 | SEO44428a | 3343 | SEO44510 |
| 3120 | SEO44181a | 3176 | SEO44271a | 3232 | SEO44356a | 3288 | SEO44429a | 3344 | SEO44511 |
| 3121 | SEO44183a | 3177 | SEO44274a | 3233 | SEO44358a | 3289 | SEO44430a | 3345 | SEO44513 |
| 3122 | SEO44184a | 3178 | SEO44277a | 3234 | SEO44359a | 3290 | SEO44431a | 3346 | SEO44515 |
| 3123 | SEO44185a | 3179 | SEO44278a | 3235 | SEO44360a | 3291 | SEO44436a | 3347 | SEO44516 |
| 3124 | SEO44186a | 3180 | SEO44280a | 3236 | SEO44363a | 3292 | SEO44437a | 3348 | SEO44517 |
| 3125 | SEO44187a | 3181 | SEO44281a | 3237 | SEO44366a | 3293 | SEO44440 | 3349 | SEO44518 |
| 3126 | SEO44188a | 3182 | SEO44282a | 3238 | seo44367an | 3294 | SEO44443a | 3350 | SEO44519 |
| 3127 | SEO44189a | 3183 | SEO44284a | 3239 | SEO44368a | 3295 | SEO44444a | 3351 | SEO44521 |
| 3128 | SEO44190a | 3184 | SEO44288a | 3240 | SEO44369a | 3296 | seo44445a | 3352 | SEO44522 |
| 3129 | SEO44193a | 3185 | SEO44289a | 3241 | SEO44370a | 3297 | SEO44446a | 3353 | SEO44523 |
| 3130 | SEO44194a | 3186 | SEO44291a | 3242 | SEO44371a | 3298 | seo44447a | 3354 | SEO44524 |
| 3131 | SEO44197a | 3187 | SEO44292a | 3243 | SEO44373a | 3299 | SEO44448a | 3355 | seo44526 |
| 3132 | SEO44198a | 3188 | SEO44293a | 3244 | SEO44376a | 3300 | SEO44449a | 3356 | SEO44529 |
| 3133 | SEO44199a | 3189 | SEO44294a | 3245 | SEO44377a | 3301 | SEO44450a | 3357 | SEO44530 |
| 3134 | SEO44200a | 3190 | SEO44296a | 3246 | SEO44378a | 3302 | SEO44451a | 3358 | SEO44531 |
| 3135 | SEO44201a | 3191 | SEO44298a | 3247 | SEO44379a | 3303 | SEO44452a | 3359 | SEO44532 |
| 3136 | SEO44202a | 3192 | SEO44299a | 3248 | SEO44380a | 3304 | SEO44453a | 3360 | SEO44534 |

Figure 6E – Continued

| | | | | | | | | | |
|------|-----------|------|------------|------|------------|------|-----------|------|-----------|
| 3361 | SEO44535 | 3417 | SEO44607a | 3473 | SEO44686a | 3529 | SEO44751a | 3585 | SEO44824a |
| 3362 | SEO44536 | 3418 | SEO44608a | 3474 | SEO44687a | 3530 | SEO44752a | 3586 | SEO44825a |
| 3363 | SEO44537 | 3419 | SEO44610a | 3475 | SEO44688a | 3531 | SEO44753a | 3587 | SEO44826a |
| 3364 | SEO44538 | 3420 | SEO44611a | 3476 | SEO44689a | 3532 | SEO44754a | 3588 | SEO44827a |
| 3365 | SEO44539 | 3421 | SEO44612a | 3477 | SEO44690a | 3533 | SEO44755a | 3589 | SEO44828a |
| 3366 | SEO44540 | 3422 | SEO44613a | 3478 | SEO44691a | 3534 | SEO44756a | 3590 | SEO44829a |
| 3367 | SEO44541 | 3423 | SEO44614a | 3479 | SEO44692a | 3535 | SEO44758a | 3591 | SEO44830a |
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| 3369 | SEO44543 | 3425 | SEO44617a | 3481 | SEO44694a | 3537 | SEO44760a | 3593 | SEO44834a |
| 3370 | SEO44544 | 3426 | SEO44618a | 3482 | SEO44695a | 3538 | SEO44764a | 3594 | SEO44836a |
| 3371 | SEO44545 | 3427 | SEO44619a | 3483 | SEO44696a | 3539 | SEO44765a | 3595 | SEO44837a |
| 3372 | SEO44546 | 3428 | SEO44620a | 3484 | SEO44697a | 3540 | SEO44766a | 3596 | SEO44838a |
| 3373 | SEO44548 | 3429 | SEO44623a | 3485 | SEO44698a | 3541 | SEO44767a | 3597 | SEO44839a |
| 3374 | SEO44549 | 3430 | SEO44625a | 3486 | SEO44699a | 3542 | SEO44768a | 3598 | SEO44840a |
| 3375 | SEO44550 | 3431 | SEO44626a | 3487 | seo44700a | 3543 | SEO44769a | 3599 | SEO44846a |
| 3376 | SEO44554 | 3432 | SEO44628a | 3488 | SEO44703a | 3544 | SEO44770a | 3600 | SEO44847a |
| 3377 | SEO44555 | 3433 | SEO44630a | 3489 | seo44704 | 3545 | SEO44771a | 3601 | SEO44848a |
| 3378 | SEO44557 | 3434 | SEO44631a | 3490 | seo44705an | 3546 | SEO44772a | 3602 | SEO44849a |
| 3379 | SEO44558 | 3435 | seo44632a | 3491 | SEO44706a | 3547 | SEO44773a | 3603 | SEO44850a |
| 3380 | SEO44559 | 3436 | SEO44634a | 3492 | SEO44707a | 3548 | SEO44775a | 3604 | SEO44852a |
| 3381 | SEO44560 | 3437 | SEO44635a | 3493 | SEO44708a | 3549 | SEO44778a | 3605 | SEO44853a |
| 3382 | SEO44561 | 3438 | SEO44636a | 3494 | SEO44709a | 3550 | SEO44780a | 3606 | SEO44854a |
| 3383 | SEO44562 | 3439 | SEO44637a | 3495 | SEO44710a | 3551 | SEO44781a | 3607 | SEO44855a |
| 3384 | SEO44563 | 3440 | SEO44639a | 3496 | seo44711an | 3552 | SEO44783a | 3608 | SEO44857a |
| 3385 | SEO44564 | 3441 | SEO44640a | 3497 | seo44712a | 3553 | SEO44784a | 3609 | SEO44858a |
| 3386 | SEO44569 | 3442 | SEO44641a | 3498 | SEO44713a | 3554 | SEO44785a | 3610 | SEO44859a |
| 3387 | SEO44570 | 3443 | SEO44642a | 3499 | SEO44714a | 3555 | SEO44786a | 3611 | SEO44860a |
| 3388 | SEO44571 | 3444 | SEO44643a | 3500 | SEO44715a | 3556 | SEO44787a | 3612 | SEO44862a |
| 3389 | SEO44573 | 3445 | seo44644an | 3501 | SEO44716a | 3557 | SEO44789a | 3613 | SEO44863a |
| 3390 | SEO44574 | 3446 | SEO44645a | 3502 | SEO44717a | 3558 | SEO44790a | 3614 | SEO44865a |
| 3391 | SEO44575 | 3447 | SEO44646a | 3503 | SEO44718a | 3559 | SEO44791a | 3615 | SEO44866a |
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| 3393 | SEO44577 | 3449 | SEO44649a | 3505 | SEO44720a | 3561 | SEO44794a | 3617 | SEO44868a |
| 3394 | SEO44578 | 3450 | SEO44651a | 3506 | SEO44721a | 3562 | SEO44795a | 3618 | SEO44869a |
| 3395 | SEO44579 | 3451 | SEO44653a | 3507 | SEO44722a | 3563 | SEO44796a | 3619 | SEO44870a |
| 3396 | SEO44580 | 3452 | SEO44655a | 3508 | SEO44723a | 3564 | SEO44798a | 3620 | SEO44871a |
| 3397 | SEO44581 | 3453 | seo44656a | 3509 | SEO44724a | 3565 | SEO44799a | 3621 | SEO44872a |
| 3398 | SEO44582 | 3454 | SEO44657a | 3510 | seo44726a | 3566 | SEO44802a | 3622 | SEO44873a |
| 3399 | SEO44583 | 3455 | SEO44658a | 3511 | SEO44727a | 3567 | SEO44803a | 3623 | seo44875a |
| 3400 | SEO44584 | 3456 | SEO44660a | 3512 | SEO44728a | 3568 | SEO44804a | 3624 | SEO44876a |
| 3401 | SEO44585 | 3457 | SEO44662a | 3513 | SEO44730a | 3569 | SEO44805a | 3625 | SEO44877a |
| 3402 | SEO44586 | 3458 | SEO44663a | 3514 | SEO44731a | 3570 | SEO44806a | 3626 | SEO44878a |
| 3403 | SEO44587 | 3459 | SEO44665a | 3515 | seo44732an | 3571 | SEO44808a | 3627 | SEO44879a |
| 3404 | SEO44588 | 3460 | SEO44667a | 3516 | SEO44734a | 3572 | SEO44809a | 3628 | SEO44880a |
| 3405 | SEO44590 | 3461 | SEO44669a | 3517 | SEO44736a | 3573 | SEO44810a | 3629 | SEO44881a |
| 3406 | SEO44591 | 3462 | SEO44670a | 3518 | SEO44737a | 3574 | SEO44811a | 3630 | SEO44883a |
| 3407 | SEO44594 | 3463 | SEO44671a | 3519 | SEO44739a | 3575 | SEO44812a | 3631 | SEO44885a |
| 3408 | SEO44595 | 3464 | SEO44673a | 3520 | SEO44740a | 3576 | SEO44813a | 3632 | SEO44886a |
| 3409 | SEO44598 | 3465 | SEO44674a | 3521 | SEO44741a | 3577 | SEO44814a | 3633 | SEO44887a |
| 3410 | SEO44599 | 3466 | SEO44675a | 3522 | SEO44742a | 3578 | SEO44815a | 3634 | SEO44890a |
| 3411 | SEO44600a | 3467 | SEO44678a | 3523 | SEO44743a | 3579 | SEO44816a | 3635 | seo44891a |
| 3412 | SEO44601a | 3468 | SEO44681a | 3524 | SEO44744a | 3580 | SEO44818a | 3636 | seo44892a |
| 3413 | SEO44602a | 3469 | SEO44682a | 3525 | SEO44745a | 3581 | SEO44819a | 3637 | seo44893a |
| 3414 | SEO44603a | 3470 | SEO44683a | 3526 | SEO44746a | 3582 | SEO44820a | 3638 | seo44894a |
| 3415 | SEO44605a | 3471 | SEO44684a | 3527 | SEO44747a | 3583 | SEO44821a | 3639 | seo44895a |
| 3416 | SEO44606a | 3472 | SEO44685a | 3528 | SEO44748a | 3584 | SEO44822a | 3640 | seo44896a |

Figure 6E - Continued

| | | | | | | | | | |
|------|----------|------|-----------|------|----------|------|----------|------|-----------|
| 3641 | seo4899a | 3697 | seo4978a | 3753 | SEO5082a | 3809 | SEO5151a | 3865 | SEO5265a |
| 3642 | seo4901a | 3698 | seo4980a | 3754 | SEO5083a | 3810 | SEO5153a | 3866 | SEO5267a |
| 3643 | seo4903a | 3699 | seo4981a | 3755 | SEO5084a | 3811 | SEO5154a | 3867 | SEO5269a |
| 3644 | seo4905a | 3700 | seo4985a | 3756 | seo5085a | 3812 | SEO5155a | 3868 | SEO5270a |
| 3645 | seo4906a | 3701 | seo4986a | 3757 | SEO5086a | 3813 | SEO5156a | 3869 | SEO5272a |
| 3646 | seo4909a | 3702 | seo4987a | 3758 | SEO5087a | 3814 | SEO5157a | 3870 | SEO5273a |
| 3647 | seo4910a | 3703 | seo4988a | 3759 | SEO5088a | 3815 | SEO5158a | 3871 | SEO5274a |
| 3648 | seo4911a | 3704 | seo4989a | 3760 | SEO5089a | 3816 | SEO5162a | 3872 | SEO5275a |
| 3649 | seo4914a | 3705 | seo4993a | 3761 | SEO5090a | 3817 | SEO5163a | 3873 | SEO5276a |
| 3650 | seo4915a | 3706 | seo4996a | 3762 | SEO5091a | 3818 | SEO5164a | 3874 | seo5277a |
| 3651 | seo4916a | 3707 | seo4997a | 3763 | SEO5093a | 3819 | SEO5165a | 3875 | SEO5278a |
| 3652 | seo4917a | 3708 | seo4998a | 3764 | SEO5094a | 3820 | SEO5166a | 3876 | SEO5279a |
| 3653 | seo4919a | 3709 | SEO5004a | 3765 | SEO5095a | 3821 | SEO5167a | 3877 | SEO5280a |
| 3654 | seo4920a | 3710 | SEO5005a | 3766 | SEO5096a | 3822 | SEO5170a | 3878 | SEO5281a |
| 3655 | seo4922a | 3711 | SEO5009a | 3767 | SEO5098a | 3823 | SEO5173a | 3879 | SEO5282a |
| 3656 | seo4923a | 3712 | SEO5010a | 3768 | SEO5099a | 3824 | SEO5174a | 3880 | SEO5284a |
| 3657 | seo4924a | 3713 | SEO5011a | 3769 | SEO5101a | 3825 | SEO5176a | 3881 | SEO5285a |
| 3658 | seo4925a | 3714 | SEO5012a | 3770 | seo5103a | 3826 | SEO5196a | 3882 | seo5286a |
| 3659 | seo4926a | 3715 | SEO5017a | 3771 | SEO5104a | 3827 | SEO5201a | 3883 | SEO5289a |
| 3660 | seo4927a | 3716 | SEO5025a | 3772 | SEO5105a | 3828 | SEO5202a | 3884 | SEO5290a |
| 3661 | seo4929a | 3717 | SEO5026a | 3773 | SEO5106a | 3829 | SEO5203a | 3885 | SEO5291a |
| 3662 | seo4930a | 3718 | SEO5028a | 3774 | SEO5107a | 3830 | SEO5204a | 3886 | SEO5292a |
| 3663 | seo4931a | 3719 | SEO5029a | 3775 | SEO5109a | 3831 | SEO5209a | 3887 | SEO5293a |
| 3664 | seo4932a | 3720 | SEO5030a | 3776 | SEO5110a | 3832 | SEO5210 | 3888 | SEO5294a |
| 3665 | seo4933a | 3721 | SEO5033a | 3777 | SEO5111a | 3833 | SEO5211a | 3889 | SEO5296a |
| 3666 | seo4934a | 3722 | SEO5034a | 3778 | SEO5112a | 3834 | SEO5212a | 3890 | SEO5297a |
| 3667 | seo4938a | 3723 | SEO5035a | 3779 | SEO5113a | 3835 | SEO5214a | 3891 | SEO5298a |
| 3668 | seo4939a | 3724 | SEO5036a | 3780 | SEO5114a | 3836 | SEO5217a | 3892 | SEO5299a |
| 3669 | seo4940a | 3725 | SEO5037a | 3781 | SEO5115a | 3837 | SEO5218a | 3893 | SEO5300a |
| 3670 | seo4941a | 3726 | SEO5038a | 3782 | SEO5116a | 3838 | SEO5220a | 3894 | SEO5302a |
| 3671 | seo4942a | 3727 | seo5043an | 3783 | SEO5117a | 3839 | seo5223a | 3895 | SEO5303a |
| 3672 | seo4943a | 3728 | SEO5046a | 3784 | SEO5118a | 3840 | SEO5224a | 3896 | SEO5304a |
| 3673 | seo4945a | 3729 | SEO5047a | 3785 | SEO5119a | 3841 | SEO5225a | 3897 | SEO5309a |
| 3674 | seo4946a | 3730 | SEO5048a | 3786 | SEO5121a | 3842 | SEO5226a | 3898 | SEO5310a |
| 3675 | seo4948a | 3731 | SEO5051a | 3787 | SEO5125a | 3843 | seo5227a | 3899 | SEO5311a |
| 3676 | seo4949a | 3732 | SEO5052a | 3788 | SEO5126a | 3844 | SEO5228a | 3900 | SEO5312a |
| 3677 | seo4950a | 3733 | SEO5055a | 3789 | SEO5127a | 3845 | SEO5229a | 3901 | SEO5313a |
| 3678 | seo4952a | 3734 | SEO5056a | 3790 | SEO5128a | 3846 | SEO5231a | 3902 | SEO5314a |
| 3679 | seo4953a | 3735 | SEO5057a | 3791 | SEO5129a | 3847 | SEO5232a | 3903 | SEO5315a |
| 3680 | seo4954a | 3736 | seo5058an | 3792 | SEO5131a | 3848 | SEO5234a | 3904 | SEO5316a |
| 3681 | seo4955a | 3737 | SEO5059a | 3793 | SEO5133a | 3849 | SEO5235a | 3905 | SEO5317a |
| 3682 | seo4956a | 3738 | seo5060an | 3794 | SEO5135a | 3850 | SEO5239a | 3906 | SEO5318a |
| 3683 | seo4957a | 3739 | SEO5061a | 3795 | SEO5136a | 3851 | SEO5242a | 3907 | SEO5319a |
| 3684 | seo4958a | 3740 | SEO5062a | 3796 | SEO5137a | 3852 | SEO5244a | 3908 | seo5320an |
| 3685 | seo4959a | 3741 | SEO5063a | 3797 | SEO5138a | 3853 | SEO5245a | 3909 | SEO5323a |
| 3686 | seo4961a | 3742 | SEO5065a | 3798 | SEO5139a | 3854 | SEO5246a | 3910 | SEO5324a |
| 3687 | seo4962a | 3743 | SEO5067a | 3799 | SEO5140a | 3855 | SEO5247a | 3911 | SEO5325a |
| 3688 | seo4963a | 3744 | SEO5068a | 3800 | SEO5141a | 3856 | SEO5248a | 3912 | SEO5327a |
| 3689 | seo4964a | 3745 | SEO5069a | 3801 | SEO5142a | 3857 | SEO5249a | 3913 | SEO5328a |
| 3690 | seo4966a | 3746 | SEO5070a | 3802 | SEO5143a | 3858 | SEO5250a | 3914 | SEO5329a |
| 3691 | seo4969a | 3747 | SEO5074a | 3803 | SEO5144a | 3859 | SEO5251a | 3915 | SEO5330a |
| 3692 | seo4970a | 3748 | SEO5076a | 3804 | SEO5145a | 3860 | SEO5253a | 3916 | SEO5331a |
| 3693 | seo4971a | 3749 | SEO5077a | 3805 | SEO5146a | 3861 | SEO5254a | 3917 | SEO5333a |
| 3694 | seo4973a | 3750 | SEO5078a | 3806 | SEO5147a | 3862 | SEO5255a | 3918 | seo5335a |
| 3695 | seo4974a | 3751 | SEO5079a | 3807 | SEO5148a | 3863 | SEO5258a | 3919 | SEO5341 |
| 3696 | seo4977a | 3752 | SEO5081a | 3808 | SEO5149a | 3864 | SEO5264a | 3920 | SEO5342 |

Figure 6E - Continued

| | | | | | | | | | |
|------|----------|------|-----------|------|-----------|------|-----------|------|-----------|
| 3921 | SEOA5343 | 3977 | SEOA5412 | 4033 | SEOA5486a | 4089 | SEOA5548a | 4145 | SEOA5620a |
| 3922 | SEOA5345 | 3978 | SEOA5413 | 4034 | SEOA5488a | 4090 | SEOA5549a | 4146 | SEOA5621a |
| 3923 | SEOA5347 | 3979 | SEOA5414 | 4035 | SEOA5489a | 4091 | SEOA5550a | 4147 | SEOA5622a |
| 3924 | seo5348 | 3980 | SEOA5415 | 4036 | SEOA5490a | 4092 | SEOA5551a | 4148 | SEOA5623a |
| 3925 | SEOA5349 | 3981 | SEOA5416 | 4037 | SEOA5491a | 4093 | SEOA5552a | 4149 | SEOA5624a |
| 3926 | SEOA5350 | 3982 | SEOA5418 | 4038 | SEOA5492a | 4094 | SEOA5553a | 4150 | SEOA5626a |
| 3927 | SEOA5351 | 3983 | SEOA5419 | 4039 | SEOA5493a | 4095 | SEOA5554a | 4151 | SEOA5627a |
| 3928 | SEOA5352 | 3984 | SEOA5420 | 4040 | SEOA5494a | 4096 | SEOA5555a | 4152 | SEOA5628a |
| 3929 | SEOA5353 | 3985 | SEOA5422 | 4041 | SEOA5497a | 4097 | SEOA5556a | 4153 | SEOA5630a |
| 3930 | SEOA5354 | 3986 | SEOA5425 | 4042 | SEOA5498a | 4098 | SEOA5557a | 4154 | SEOA5634a |
| 3931 | SEOA5355 | 3987 | SEOA5426 | 4043 | SEOA5499a | 4099 | SEOA5558a | 4155 | SEOA5635a |
| 3932 | SEOA5356 | 3988 | SEOA5428 | 4044 | SEOA5500a | 4100 | SEOA5559a | 4156 | SEOA5636a |
| 3933 | SEOA5357 | 3989 | SEOA5429 | 4045 | SEOA5501a | 4101 | SEOA5560a | 4157 | SEOA5637a |
| 3934 | SEOA5358 | 3990 | SEOA5432 | 4046 | SEOA5502a | 4102 | SEOA5563a | 4158 | SEOA5639a |
| 3935 | SEOA5359 | 3991 | SEOA5433 | 4047 | SEOA5503a | 4103 | SEOA5565a | 4159 | SEOA5640a |
| 3936 | SEOA5360 | 3992 | SEOA5436 | 4048 | seo5504an | 4104 | SEOA5566a | 4160 | SEOA5641a |
| 3937 | SEOA5363 | 3993 | SEOA5437 | 4049 | SEOA5505a | 4105 | SEOA5567a | 4161 | SEOA5642a |
| 3938 | SEOA5365 | 3994 | SEOA5438 | 4050 | SEOA5506a | 4106 | SEOA5568a | 4162 | SEOA5643a |
| 3939 | SEOA5366 | 3995 | SEOA5441 | 4051 | SEOA5507a | 4107 | SEOA5569a | 4163 | SEOA5644a |
| 3940 | SEOA5367 | 3996 | SEOA5442 | 4052 | seo5508a | 4108 | SEOA5572a | 4164 | SEOA5646a |
| 3941 | SEOA5368 | 3997 | SEOA5443 | 4053 | SEOA5509a | 4109 | SEOA5573a | 4165 | SEOA5648a |
| 3942 | SEOA5370 | 3998 | SEOA5444 | 4054 | SEOA5510a | 4110 | SEOA5574a | 4166 | SEOA5649a |
| 3943 | SEOA5371 | 3999 | SEOA5445 | 4055 | SEOA5511a | 4111 | SEOA5575a | 4167 | SEOA5651a |
| 3944 | SEOA5372 | 4000 | SEOA5446 | 4056 | SEOA5512a | 4112 | SEOA5576a | 4168 | SEOA5652a |
| 3945 | SEOA5373 | 4001 | SEOA5447 | 4057 | SEOA5513a | 4113 | SEOA5577a | 4169 | SEOA5653a |
| 3946 | SEOA5374 | 4002 | SEOA5448 | 4058 | SEOA5515a | 4114 | SEOA5578a | 4170 | SEOA5654a |
| 3947 | SEOA5376 | 4003 | SEOA5449 | 4059 | SEOA5517a | 4115 | SEOA5579a | 4171 | SEOA5655a |
| 3948 | SEOA5380 | 4004 | seo5450 | 4060 | SEOA5518a | 4116 | SEOA5580a | 4172 | SEOA5656a |
| 3949 | SEOA5381 | 4005 | SEOA5452 | 4061 | SEOA5519a | 4117 | SEOA5581a | 4173 | SEOA5657a |
| 3950 | SEOA5382 | 4006 | SEOA5453 | 4062 | SEOA5520a | 4118 | SEOA5582a | 4174 | SEOA5658a |
| 3951 | SEOA5383 | 4007 | SEOA5454 | 4063 | SEOA5521a | 4119 | SEOA5583a | 4175 | SEOA5659a |
| 3952 | SEOA5384 | 4008 | SEOA5455 | 4064 | SEOA5522a | 4120 | SEOA5584a | 4176 | SEOA5660a |
| 3953 | SEOA5385 | 4009 | SEOA5456 | 4065 | SEOA5523a | 4121 | SEOA5585a | 4177 | SEOA5662a |
| 3954 | SEOA5386 | 4010 | SEOA5458 | 4066 | SEOA5524a | 4122 | SEOA5586a | 4178 | SEOA5663a |
| 3955 | SEOA5387 | 4011 | SEOA5460 | 4067 | SEOA5525a | 4123 | SEOA5587a | 4179 | seo5664a |
| 3956 | SEOA5388 | 4012 | SEOA5461 | 4068 | SEOA5526a | 4124 | seo5588a | 4180 | SEOA5665a |
| 3957 | SEOA5389 | 4013 | SEOA5462 | 4069 | SEOA5527a | 4125 | SEOA5589a | 4181 | SEOA5666a |
| 3958 | SEOA5390 | 4014 | SEOA5463a | 4070 | SEOA5528a | 4126 | SEOA5590a | 4182 | SEOA5667a |
| 3959 | SEOA5391 | 4015 | SEOA5464a | 4071 | SEOA5529a | 4127 | SEOA5591a | 4183 | SEOA5668a |
| 3960 | SEOA5392 | 4016 | SEOA5465a | 4072 | SEOA5530a | 4128 | SEOA5592a | 4184 | SEOA5669a |
| 3961 | SEOA5393 | 4017 | SEOA5466a | 4073 | SEOA5531a | 4129 | SEOA5595a | 4185 | SEOA5670a |
| 3962 | SEOA5394 | 4018 | SEOA5468a | 4074 | SEOA5532a | 4130 | SEOA5596a | 4186 | SEOA5671a |
| 3963 | seo5395n | 4019 | SEOA5469a | 4075 | SEOA5533a | 4131 | SEOA5597a | 4187 | SEOA5673a |
| 3964 | SEOA5396 | 4020 | SEOA5470a | 4076 | SEOA5534a | 4132 | SEOA5600a | 4188 | SEOA5674a |
| 3965 | SEOA5397 | 4021 | SEOA5471a | 4077 | SEOA5535a | 4133 | SEOA5601a | 4189 | SEOA5675a |
| 3966 | SEOA5398 | 4022 | SEOA5472a | 4078 | SEOA5536a | 4134 | seo5603an | 4190 | SEOA5676a |
| 3967 | SEOA5399 | 4023 | SEOA5473a | 4079 | SEOA5537a | 4135 | SEOA5604a | 4191 | SEOA5677a |
| 3968 | SEOA5401 | 4024 | SEOA5474a | 4080 | SEOA5538a | 4136 | SEOA5605a | 4192 | seo5678a |
| 3969 | SEOA5403 | 4025 | seo5475a | 4081 | SEOA5539a | 4137 | SEOA5606a | 4193 | SEOA5679a |
| 3970 | SEOA5404 | 4026 | SEOA5476a | 4082 | SEOA5540a | 4138 | SEOA5608a | 4194 | SEOA5680a |
| 3971 | SEOA5405 | 4027 | SEOA5477a | 4083 | SEOA5541a | 4139 | SEOA5612a | 4195 | seo5681a |
| 3972 | SEOA5407 | 4028 | SEOA5478a | 4084 | seo5543an | 4140 | SEOA5613a | 4196 | SEOA5682a |
| 3973 | SEOA5408 | 4029 | SEOA5479a | 4085 | SEOA5544a | 4141 | SEOA5614a | 4197 | SEOA5683a |
| 3974 | SEOA5409 | 4030 | SEOA5481a | 4086 | SEOA5545a | 4142 | SEOA5615a | 4198 | SEOA5684a |
| 3975 | SEOA5410 | 4031 | SEOA5483a | 4087 | SEOA5546a | 4143 | SEOA5616a | 4199 | SEOA5685a |
| 3976 | SEOA5411 | 4032 | SEOA5485a | 4088 | SEOA5547a | 4144 | SEOA5617a | 4200 | SEOA5687a |

Figure 6E – Continued

| | | | | | | | | | |
|------|------------|------|-----------|------|-----------|------|-----------|------|------------|
| 4201 | SEOA5689a | 4257 | seoa5764n | 4313 | SEOA5827 | 4369 | SEOA5900 | 4425 | SEOA5978a |
| 4202 | SEOA5691a | 4258 | SEOA5765 | 4314 | SEOA5828 | 4370 | SEOA5901 | 4426 | SEOA5979a |
| 4203 | SEOA5694a | 4259 | SEOA5766 | 4315 | SEOA5829 | 4371 | SEOA5902 | 4427 | SEOA5981a |
| 4204 | SEOA5697a | 4260 | SEOA5767 | 4316 | SEOA5830 | 4372 | SEOA5903 | 4428 | SEOA5982a |
| 4205 | SEOA5698a | 4261 | SEOA5769 | 4317 | SEOA5831 | 4373 | SEOA5904 | 4429 | SEOA5983a |
| 4206 | SEOA5699a | 4262 | SEOA5770 | 4318 | SEOA5832 | 4374 | SEOA5906 | 4430 | SEOA5985a |
| 4207 | SEOA5700a | 4263 | seoa5771 | 4319 | SEOA5833 | 4375 | SEOA5909 | 4431 | SEOA5986a |
| 4208 | SEOA5702a | 4264 | SEOA5772 | 4320 | SEOA5834 | 4376 | SEOA5911 | 4432 | SEOA5987a |
| 4209 | SEOA5703a | 4265 | SEOA5773 | 4321 | SEOA5835 | 4377 | SEOA5912 | 4433 | SEOA5988a |
| 4210 | SEOA5704a | 4266 | SEOA5774 | 4322 | SEOA5836 | 4378 | SEOA5915 | 4434 | SEOA5989a |
| 4211 | SEOA5705a | 4267 | SEOA5775 | 4323 | SEOA5837 | 4379 | SEOA5916 | 4435 | SEOA5990a |
| 4212 | SEOA5710a | 4268 | seoa5777 | 4324 | SEOA5838 | 4380 | SEOA5917 | 4436 | SEOA5991a |
| 4213 | SEOA5711a | 4269 | SEOA5778 | 4325 | seoa5839 | 4381 | SEOA5918 | 4437 | SEOA5992a |
| 4214 | SEOA5712a | 4270 | SEOA5779 | 4326 | SEOA5840 | 4382 | SEOA5919 | 4438 | SEOA5994a |
| 4215 | SEOA5713a | 4271 | SEOA5780 | 4327 | SEOA5841 | 4383 | SEOA5920 | 4439 | SEOA5997a |
| 4216 | SEOA5714a | 4272 | SEOA5781 | 4328 | SEOA5842 | 4384 | SEOA5924 | 4440 | SEOA5998a |
| 4217 | SEOA5717a | 4273 | SEOA5782 | 4329 | SEOA5843 | 4385 | SEOA5926 | 4441 | SEOA5999a |
| 4218 | SEOA5718a | 4274 | SEOA5783 | 4330 | SEOA5844 | 4386 | seoa5927 | 4442 | SEOA6000a |
| 4219 | SEOA5720a | 4275 | SEOA5784 | 4331 | SEOA5845 | 4387 | SEOA5928 | 4443 | SEOA6001a |
| 4220 | SEOA5721a | 4276 | SEOA5785 | 4332 | SEOA5846 | 4388 | SEOA5929 | 4444 | SEOA6002a |
| 4221 | SEOA5722a | 4277 | SEOA5786 | 4333 | SEOA5848 | 4389 | SEOA5930 | 4445 | SEOA6003a |
| 4222 | SEOA5723a | 4278 | SEOA5787 | 4334 | SEOA5849 | 4390 | SEOA5932 | 4446 | SEOA6005a |
| 4223 | SEOA5724a | 4279 | SEOA5788 | 4335 | SEOA5850 | 4391 | SEOA5933 | 4447 | SEOA6006a |
| 4224 | SEOA5726a | 4280 | SEOA5789 | 4336 | SEOA5851 | 4392 | seoa5935 | 4448 | SEOA6007a |
| 4225 | SEOA5727a | 4281 | SEOA5790 | 4337 | SEOA5854 | 4393 | SEOA5937 | 4449 | SEOA6008a |
| 4226 | SEOA5728a | 4282 | SEOA5791 | 4338 | SEOA5855 | 4394 | SEOA5938 | 4450 | SEOA6009a |
| 4227 | SEOA5729a | 4283 | SEOA5792 | 4339 | seoa5857n | 4395 | SEOA5939 | 4451 | SEOA6010a |
| 4228 | SEOA5730a | 4284 | SEOA5793 | 4340 | SEOA5858 | 4396 | SEOA5940 | 4452 | SEOA6012a |
| 4229 | SEOA5731a | 4285 | seoa5794 | 4341 | seoa5859 | 4397 | SEOA5942 | 4453 | SEOA6013a |
| 4230 | SEOA5732a | 4286 | SEOA5795 | 4342 | SEOA5862 | 4398 | SEOA5943 | 4454 | SEOA6015a |
| 4231 | SEOA5733a | 4287 | SEOA5798 | 4343 | SEOA5863 | 4399 | SEOA5944 | 4455 | SEOA6018a |
| 4232 | SEOA5734a | 4288 | SEOA5799 | 4344 | SEOA5864 | 4400 | SEOA5945 | 4456 | SEOA6019a |
| 4233 | SEOA5735a | 4289 | SEOA5800 | 4345 | SEOA5865 | 4401 | SEOA5946 | 4457 | SEOA6020a |
| 4234 | SEOA5736a | 4290 | SEOA5801 | 4346 | seoa5866 | 4402 | SEOA5947 | 4458 | SEOA6021a |
| 4235 | SEOA5737a | 4291 | seoa5805n | 4347 | SEOA5868 | 4403 | SEOA5948 | 4459 | SEOA6022a |
| 4236 | SEOA5741a | 4292 | SEOA5806 | 4348 | SEOA5869 | 4404 | SEOA5950 | 4460 | SEOA6023a |
| 4237 | SEOA5742a | 4293 | SEOA5807 | 4349 | seoa5870 | 4405 | SEOA5953 | 4461 | SEOA6024a |
| 4238 | SEOA5743a | 4294 | SEOA5808 | 4350 | SEOA5871 | 4406 | SEOA5955 | 4462 | SEOA6025a |
| 4239 | SEOA5744a | 4295 | SEOA5809 | 4351 | SEOA5873 | 4407 | SEOA5957 | 4463 | SEOA6026a |
| 4240 | SEOA5745a | 4296 | SEOA5810 | 4352 | SEOA5874 | 4408 | SEOA5958 | 4464 | SEOA6027a |
| 4241 | SEOA5746a | 4297 | SEOA5811 | 4353 | SEOA5876 | 4409 | SEOA5959 | 4465 | SEOA6028a |
| 4242 | SEOA5747a | 4298 | SEOA5812 | 4354 | SEOA5877 | 4410 | SEOA5960 | 4466 | SEOA6029a |
| 4243 | SEOA5748a | 4299 | SEOA5813 | 4355 | SEOA5878 | 4411 | SEOA5961 | 4467 | SEOA6030a |
| 4244 | SEOA5749a | 4300 | SEOA5814 | 4356 | SEOA5879 | 4412 | SEOA5962 | 4468 | SEOA6031a |
| 4245 | seoa5750a | 4301 | SEOA5815 | 4357 | SEOA5881 | 4413 | SEOA5963 | 4469 | SEOA6032a |
| 4246 | SEOA5752a | 4302 | SEOA5816 | 4358 | SEOA5882 | 4414 | SEOA5964 | 4470 | SEOA6033a |
| 4247 | SEOA5753a | 4303 | SEOA5817 | 4359 | SEOA5883 | 4415 | SEOA5966 | 4471 | SEOA6034a |
| 4248 | SEOA5754a | 4304 | SEOA5818 | 4360 | SEOA5885 | 4416 | SEOA5967a | 4472 | seoa6035an |
| 4249 | SEOA5755a | 4305 | SEOA5819 | 4361 | SEOA5887 | 4417 | SEOA5969a | 4473 | SEOA6036a |
| 4250 | SEOA5756a | 4306 | SEOA5820 | 4362 | SEOA5889 | 4418 | SEOA5970a | 4474 | SEOA6037a |
| 4251 | seoa5757an | 4307 | SEOA5821 | 4363 | SEOA5890 | 4419 | SEOA5971a | 4475 | SEOA6038a |
| 4252 | SEOA5759 | 4308 | SEOA5822 | 4364 | SEOA5893 | 4420 | SEOA5972a | 4476 | SEOA6039a |
| 4253 | SEOA5760 | 4309 | SEOA5823 | 4365 | SEOA5894 | 4421 | SEOA5973a | 4477 | SEOA6040a |
| 4254 | SEOA5761 | 4310 | SEOA5824 | 4366 | SEOA5896 | 4422 | SEOA5974a | 4478 | SEOA6041a |
| 4255 | SEOA5762 | 4311 | SEOA5825 | 4367 | SEOA5898 | 4423 | SEOA5976a | 4479 | SEOA6042a |
| 4256 | SEOA5763 | 4312 | SEOA5826 | 4368 | SEOA5899 | 4424 | SEOA5977a | 4480 | SEOA6043a |

Figure 6E - Continued

| | | | | | | | | | |
|------|-----------|------|-----------|------|-----------|------|----------|------|----------|
| 4481 | SEOA6046a | 4537 | SEOA6116a | 4593 | SEOA6183a | 4649 | SEOA6257 | 4705 | SEOA6334 |
| 4482 | SEOA6048a | 4538 | SEOA6117a | 4594 | SEOA6184a | 4650 | SEOA6258 | 4706 | SEOA6335 |
| 4483 | SEOA6049a | 4539 | SEOA6118a | 4595 | SEOA6186a | 4651 | SEOA6260 | 4707 | SEOA6336 |
| 4484 | SEOA6050a | 4540 | SEOA6119a | 4596 | SEOA6189a | 4652 | SEOA6261 | 4708 | seo6337 |
| 4485 | SEOA6051a | 4541 | SEOA6122a | 4597 | SEOA6190a | 4653 | seo6262n | 4709 | SEOA6340 |
| 4486 | SEOA6052a | 4542 | SEOA6123a | 4598 | SEOA6191a | 4654 | SEOA6263 | 4710 | SEOA6342 |
| 4487 | SEOA6053a | 4543 | SEOA6124a | 4599 | SEOA6192a | 4655 | SEOA6265 | 4711 | SEOA6344 |
| 4488 | SEOA6054a | 4544 | SEOA6127a | 4600 | SEOA6193a | 4656 | SEOA6267 | 4712 | SEOA6345 |
| 4489 | SEOA6056a | 4545 | SEOA6128a | 4601 | SEOA6194a | 4657 | SEOA6268 | 4713 | SEOA6346 |
| 4490 | SEOA6057a | 4546 | SEOA6129a | 4602 | SEOA6195a | 4658 | seo6270n | 4714 | SEOA6347 |
| 4491 | seo6058a | 4547 | SEOA6130a | 4603 | SEOA6196a | 4659 | seo6271 | 4715 | SEOA6348 |
| 4492 | SEOA6060a | 4548 | SEOA6131a | 4604 | SEOA6197a | 4660 | SEOA6272 | 4716 | SEOA6351 |
| 4493 | SEOA6061a | 4549 | SEOA6132a | 4605 | SEOA6198a | 4661 | SEOA6273 | 4717 | SEOA6354 |
| 4494 | SEOA6062a | 4550 | SEOA6133a | 4606 | SEOA6199a | 4662 | SEOA6274 | 4718 | SEOA6355 |
| 4495 | SEOA6063a | 4551 | SEOA6134a | 4607 | SEOA6200a | 4663 | SEOA6276 | 4719 | SEOA6356 |
| 4496 | SEOA6064a | 4552 | SEOA6135a | 4608 | SEOA6201a | 4664 | seo6277 | 4720 | SEOA6357 |
| 4497 | SEOA6066a | 4553 | seo6136a | 4609 | SEOA6202a | 4665 | SEOA6278 | 4721 | SEOA6358 |
| 4498 | SEOA6067a | 4554 | SEOA6137a | 4610 | SEOA6203a | 4666 | SEOA6279 | 4722 | SEOA6359 |
| 4499 | SEOA6068a | 4555 | SEOA6138a | 4611 | SEOA6204a | 4667 | SEOA6280 | 4723 | SEOA6360 |
| 4500 | SEOA6069a | 4556 | SEOA6139a | 4612 | SEOA6205a | 4668 | SEOA6281 | 4724 | SEOA6363 |
| 4501 | SEOA6070a | 4557 | SEOA6140a | 4613 | SEOA6209a | 4669 | SEOA6282 | 4725 | SEOA6364 |
| 4502 | SEOA6071a | 4558 | SEOA6143a | 4614 | SEOA6210a | 4670 | SEOA6283 | 4726 | SEOA6365 |
| 4503 | SEOA6073a | 4559 | SEOA6144a | 4615 | SEOA6212a | 4671 | SEOA6284 | 4727 | SEOA6367 |
| 4504 | SEOA6075a | 4560 | SEOA6145a | 4616 | SEOA6213a | 4672 | SEOA6286 | 4728 | SEOA6368 |
| 4505 | SEOA6076a | 4561 | SEOA6146a | 4617 | SEOA6214a | 4673 | SEOA6287 | 4729 | SEOA6370 |
| 4506 | SEOA6078a | 4562 | SEOA6148a | 4618 | SEOA6216a | 4674 | SEOA6289 | 4730 | SEOA6371 |
| 4507 | SEOA6079a | 4563 | SEOA6150a | 4619 | SEOA6217a | 4675 | SEOA6290 | 4731 | SEOA6372 |
| 4508 | SEOA6080a | 4564 | SEOA6151 | 4620 | SEOA6218a | 4676 | SEOA6291 | 4732 | SEOA6373 |
| 4509 | SEOA6082a | 4565 | SEOA6151a | 4621 | SEOA6219a | 4677 | SEOA6292 | 4733 | SEOA6374 |
| 4510 | SEOA6083a | 4566 | SEOA6152a | 4622 | SEOA6220 | 4678 | SEOA6293 | 4734 | SEOA6375 |
| 4511 | SEOA6084a | 4567 | SEOA6153a | 4623 | SEOA6221 | 4679 | SEOA6295 | 4735 | SEOA6376 |
| 4512 | SEOA6085a | 4568 | SEOA6155a | 4624 | SEOA6222 | 4680 | seo6296n | 4736 | SEOA6377 |
| 4513 | SEOA6086a | 4569 | SEOA6156a | 4625 | SEOA6223 | 4681 | SEOA6297 | 4737 | SEOA6379 |
| 4514 | SEOA6087a | 4570 | SEOA6157a | 4626 | SEOA6226 | 4682 | SEOA6298 | 4738 | SEOA6380 |
| 4515 | SEOA6088a | 4571 | SEOA6158a | 4627 | SEOA6228 | 4683 | SEOA6299 | 4739 | SEOA6381 |
| 4516 | SEOA6089a | 4572 | SEOA6159a | 4628 | seo6229 | 4684 | SEOA6300 | 4740 | SEOA6385 |
| 4517 | SEOA6090a | 4573 | SEOA6160a | 4629 | SEOA6230 | 4685 | SEOA6304 | 4741 | SEOA6386 |
| 4518 | SEOA6091a | 4574 | SEOA6161a | 4630 | SEOA6231 | 4686 | SEOA6307 | 4742 | SEOA6387 |
| 4519 | SEOA6093a | 4575 | SEOA6162a | 4631 | SEOA6233 | 4687 | SEOA6308 | 4743 | SEOA6388 |
| 4520 | SEOA6094a | 4576 | seo6163an | 4632 | SEOA6234 | 4688 | SEOA6310 | 4744 | SEOA6389 |
| 4521 | SEOA6095a | 4577 | SEOA6164a | 4633 | SEOA6235 | 4689 | SEOA6311 | 4745 | SEOA6390 |
| 4522 | SEOA6097a | 4578 | SEOA6165a | 4634 | SEOA6236 | 4690 | SEOA6313 | 4746 | SEOA6391 |
| 4523 | SEOA6099a | 4579 | SEOA6166a | 4635 | SEOA6238 | 4691 | SEOA6314 | 4747 | SEOA6392 |
| 4524 | SEOA6100a | 4580 | SEOA6167a | 4636 | SEOA6239 | 4692 | SEOA6315 | 4748 | SEOA6393 |
| 4525 | SEOA6101a | 4581 | SEOA6168a | 4637 | SEOA6240 | 4693 | SEOA6316 | 4749 | SEOA6394 |
| 4526 | SEOA6102a | 4582 | SEOA6169a | 4638 | SEOA6241 | 4694 | SEOA6317 | 4750 | SEOA6395 |
| 4527 | SEOA6103a | 4583 | SEOA6170a | 4639 | SEOA6243 | 4695 | SEOA6321 | 4751 | SEOA6397 |
| 4528 | SEOA6104a | 4584 | SEOA6171a | 4640 | SEOA6244 | 4696 | SEOA6322 | 4752 | SEOA6398 |
| 4529 | SEOA6106a | 4585 | SEOA6172a | 4641 | seo6246n | 4697 | SEOA6323 | 4753 | SEOA6399 |
| 4530 | SEOA6107a | 4586 | SEOA6173a | 4642 | SEOA6248 | 4698 | SEOA6325 | 4754 | SEOA6400 |
| 4531 | SEOA6108a | 4587 | SEOA6174a | 4643 | SEOA6249 | 4699 | SEOA6326 | 4755 | SEOA6401 |
| 4532 | SEOA6109a | 4588 | SEOA6175a | 4644 | SEOA6250 | 4700 | SEOA6329 | 4756 | SEOA6402 |
| 4533 | SEOA6111a | 4589 | SEOA6176a | 4645 | SEOA6252 | 4701 | SEOA6330 | 4757 | SEOA6403 |
| 4534 | SEOA6113a | 4590 | seo6177a | 4646 | seo6253 | 4702 | SEOA6331 | 4758 | seo6404 |
| 4535 | seo6114an | 4591 | SEOA6178a | 4647 | SEOA6254 | 4703 | SEOA6332 | 4759 | SEOA6405 |
| 4536 | SEOA6115a | 4592 | seo6181a | 4648 | seo6255n | 4704 | SEOA6333 | 4760 | SEOA6407 |

Figure 6E - Continued

| | | | | | | | | | |
|------|------------|------|------------|------|------------|------|------------|------|-----------|
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| 4762 | SEOA6409 | 4818 | SEOA6481a | 4874 | SEOA6549a | 4930 | SEOA6623a | 4986 | SEOA6693a |
| 4763 | SEOA6412 | 4819 | SEOA6482a | 4875 | SEOA6550a | 4931 | SEOA6624a | 4987 | SEOA6694a |
| 4764 | SEOA6413 | 4820 | SEOA6484a | 4876 | SEOA6551a | 4932 | SEOA6625a | 4988 | SEOA6695a |
| 4765 | SEOA6414 | 4821 | SEOA6485a | 4877 | SEOA6552a | 4933 | SEOA6626a | 4989 | SEOA6696a |
| 4766 | SEOA6415 | 4822 | SEOA6486a | 4878 | SEOA6553a | 4934 | SEOA6627a | 4990 | SEOA6697a |
| 4767 | SEOA6416 | 4823 | SEOA6487a | 4879 | SEOA6554a | 4935 | SEOA6629a | 4991 | SEOA6698a |
| 4768 | SEOA6418 | 4824 | SEOA6488a | 4880 | SEOA6555a | 4936 | seoa6630a | 4992 | SEOA6699a |
| 4769 | seoa6419n | 4825 | SEOA6490a | 4881 | SEOA6556a | 4937 | SEOA6631a | 4993 | SEOA6700a |
| 4770 | SEOA6420 | 4826 | SEOA6491a | 4882 | SEOA6557a | 4938 | seoa6632an | 4994 | SEOA6701a |
| 4771 | seoa6421n | 4827 | SEOA6492a | 4883 | SEOA6559a | 4939 | SEOA6633a | 4995 | SEOA6702a |
| 4772 | SEOA6422 | 4828 | seoa6493an | 4884 | SEOA6560a | 4940 | SEOA6634a | 4996 | SEOA6704a |
| 4773 | SEOA6423 | 4829 | SEOA6494a | 4885 | SEOA6561a | 4941 | SEOA6635a | 4997 | SEOA6705a |
| 4774 | SEOA6426 | 4830 | SEOA6495a | 4886 | seoa6563a | 4942 | SEOA6636a | 4998 | SEOA6706 |
| 4775 | SEOA6428 | 4831 | SEOA6496a | 4887 | SEOA6564a | 4943 | SEOA6637a | 4999 | SEOA6707 |
| 4776 | SEOA6429 | 4832 | SEOA6497a | 4888 | SEOA6565a | 4944 | SEOA6638a | 5000 | SEOA6710 |
| 4777 | seoa6430 | 4833 | SEOA6498a | 4889 | SEOA6566a | 4945 | SEOA6639a | 5001 | SEOA6711 |
| 4778 | SEOA6431 | 4834 | SEOA6501a | 4890 | SEOA6567a | 4946 | SEOA6640a | 5002 | SEOA6713 |
| 4779 | SEOA6432 | 4835 | SEOA6503a | 4891 | SEOA6568a | 4947 | SEOA6641a | 5003 | SEOA6715 |
| 4780 | SEOA6433 | 4836 | SEOA6504a | 4892 | SEOA6569a | 4948 | SEOA6642a | 5004 | SEOA6716 |
| 4781 | SEOA6434 | 4837 | SEOA6505a | 4893 | SEOA6571a | 4949 | SEOA6643a | 5005 | SEOA6718 |
| 4782 | SEOA6435 | 4838 | SEOA6506a | 4894 | SEOA6572a | 4950 | SEOA6644a | 5006 | SEOA6719 |
| 4783 | SEOA6437 | 4839 | SEOA6507a | 4895 | SEOA6573a | 4951 | SEOA6645a | 5007 | SEOA6720 |
| 4784 | SEOA6440 | 4840 | SEOA6508a | 4896 | SEOA6574a | 4952 | SEOA6646a | 5008 | SEOA6721 |
| 4785 | SEOA6442 | 4841 | SEOA6510a | 4897 | SEOA6575a | 4953 | SEOA6647a | 5009 | SEOA6722 |
| 4786 | SEOA6443 | 4842 | SEOA6512a | 4898 | SEOA6576a | 4954 | SEOA6648a | 5010 | SEOA6723 |
| 4787 | SEOA6444a | 4843 | seoa6514an | 4899 | SEOA6578a | 4955 | SEOA6649a | 5011 | SEOA6724 |
| 4788 | seoa6445an | 4844 | SEOA6516a | 4900 | SEOA6579a | 4956 | SEOA6650a | 5012 | SEOA6726 |
| 4789 | SEOA6446a | 4845 | SEOA6517a | 4901 | SEOA6580a | 4957 | seoa6651a | 5013 | SEOA6727 |
| 4790 | SEOA6447a | 4846 | SEOA6518a | 4902 | SEOA6582a | 4958 | SEOA6652a | 5014 | SEOA6728 |
| 4791 | SEOA6448a | 4847 | SEOA6519a | 4903 | SEOA6583a | 4959 | SEOA6653a | 5015 | SEOA6730 |
| 4792 | SEOA6449a | 4848 | SEOA6520a | 4904 | SEOA6585a | 4960 | SEOA6654a | 5016 | SEOA6731 |
| 4793 | SEOA6450a | 4849 | SEOA6521a | 4905 | SEOA6587a | 4961 | seoa6657an | 5017 | SEOA6732 |
| 4794 | SEOA6451a | 4850 | SEOA6522a | 4906 | SEOA6590a | 4962 | SEOA6658a | 5018 | SEOA6733 |
| 4795 | SEOA6452a | 4851 | SEOA6523a | 4907 | SEOA6591a | 4963 | SEOA6660a | 5019 | SEOA6734 |
| 4796 | SEOA6453a | 4852 | SEOA6524a | 4908 | SEOA6594a | 4964 | SEOA6661a | 5020 | SEOA6735 |
| 4797 | SEOA6454a | 4853 | SEOA6525a | 4909 | SEOA6595a | 4965 | seoa6664an | 5021 | SEOA6736 |
| 4798 | SEOA6455a | 4854 | SEOA6526a | 4910 | SEOA6597a | 4966 | SEOA6666a | 5022 | SEOA6737 |
| 4799 | SEOA6456a | 4855 | SEOA6527a | 4911 | SEOA6598a | 4967 | SEOA6667a | 5023 | SEOA6738 |
| 4800 | SEOA6458a | 4856 | SEOA6528a | 4912 | SEOA6599a | 4968 | SEOA6668a | 5024 | SEOA6739 |
| 4801 | SEOA6459a | 4857 | SEOA6529a | 4913 | SEOA6600a | 4969 | SEOA6670a | 5025 | SEOA6740 |
| 4802 | SEOA6460a | 4858 | SEOA6530a | 4914 | SEOA6601a | 4970 | SEOA6671a | 5026 | SEOA6741 |
| 4803 | SEOA6461a | 4859 | SEOA6531a | 4915 | SEOA6602a | 4971 | SEOA6672a | 5027 | SEOA6742 |
| 4804 | SEOA6462a | 4860 | SEOA6532a | 4916 | SEOA6604a | 4972 | SEOA6673a | 5028 | SEOA6743 |
| 4805 | SEOA6463a | 4861 | SEOA6533a | 4917 | SEOA6606a | 4973 | SEOA6674a | 5029 | SEOA6744 |
| 4806 | SEOA6464a | 4862 | SEOA6535a | 4918 | SEOA6607a | 4974 | SEOA6675a | 5030 | seoa6745n |
| 4807 | SEOA6465a | 4863 | SEOA6536a | 4919 | SEOA6608a | 4975 | SEOA6676a | 5031 | SEOA6746 |
| 4808 | SEOA6466a | 4864 | SEOA6537a | 4920 | SEOA6610a | 4976 | SEOA6677a | 5032 | SEOA6747 |
| 4809 | SEOA6467a | 4865 | seoa6538a | 4921 | SEOA6611a | 4977 | SEOA6678a | 5033 | SEOA6748 |
| 4810 | SEOA6468a | 4866 | SEOA6539a | 4922 | SEOA6612a | 4978 | SEOA6681a | 5034 | SEOA6749 |
| 4811 | SEOA6470a | 4867 | SEOA6540a | 4923 | SEOA6613a | 4979 | SEOA6682a | 5035 | seoa6750 |
| 4812 | SEOA6471a | 4868 | SEOA6541a | 4924 | SEOA6614a | 4980 | SEOA6683a | 5036 | SEOA6751 |
| 4813 | SEOA6473a | 4869 | seoa6543an | 4925 | seoa6615an | 4981 | SEOA6685a | 5037 | SEOA6752 |
| 4814 | SEOA6476a | 4870 | SEOA6545a | 4926 | SEOA6617a | 4982 | SEOA6686a | 5038 | SEOA6753 |
| 4815 | SEOA6478a | 4871 | SEOA6546a | 4927 | SEOA6620a | 4983 | SEOA6687a | 5039 | SEOA6754 |
| 4816 | SEOA6479a | 4872 | SEOA6547a | 4928 | SEOA6621a | 4984 | SEOA6688a | 5040 | seoa6755 |

Figure 6E - Continued

| | | | | | | | | | |
|------|----------|------|-----------|------|-----------|------|----------|------|------------|
| 5041 | seoa6756 | 5097 | seoa6819 | 5153 | SEOA6903 | 5209 | seoa6971 | 5265 | seoa7036 |
| 5042 | seoa6757 | 5098 | seoa6823 | 5154 | SEOA6904 | 5210 | seoa6972 | 5266 | seoa7038 |
| 5043 | seoa6758 | 5099 | seoa6825 | 5155 | SEOA6905 | 5211 | seoa6974 | 5267 | seoa7039 |
| 5044 | seoa6759 | 5100 | seoa6828 | 5156 | SEOA6906 | 5212 | seoa6975 | 5268 | seoa7040 |
| 5045 | seoa6760 | 5101 | seoa6829 | 5157 | SEOA6907 | 5213 | seoa6976 | 5269 | seoa7041 |
| 5046 | seoa6761 | 5102 | seoa6830 | 5158 | SEOA6908 | 5214 | seoa6977 | 5270 | seoa7042 |
| 5047 | seoa6762 | 5103 | seoa6832 | 5159 | SEOA6909 | 5215 | seoa6978 | 5271 | seoa7043 |
| 5048 | seoa6763 | 5104 | seoa6833 | 5160 | SEOA6910 | 5216 | seoa6979 | 5272 | seoa7044 |
| 5049 | seoa6764 | 5105 | seoa6834 | 5161 | SEOA6911 | 5217 | seoa6980 | 5273 | seoa7045 |
| 5050 | seoa6765 | 5106 | seoa6836 | 5162 | seoa6913n | 5218 | seoa6981 | 5274 | seoa7046 |
| 5051 | seoa6766 | 5107 | seoa6837 | 5163 | SEOA6914 | 5219 | seoa6982 | 5275 | seoa7047 |
| 5052 | seoa6768 | 5108 | seoa6838 | 5164 | SEOA6915 | 5220 | seoa6983 | 5276 | seoa7049 |
| 5053 | seoa6769 | 5109 | seoa6839 | 5165 | SEOA6917 | 5221 | seoa6985 | 5277 | seoa7051 |
| 5054 | seoa6771 | 5110 | seoa6841 | 5166 | seoa6918 | 5222 | seoa6986 | 5278 | seoa7052 |
| 5055 | seoa6772 | 5111 | seoa6842 | 5167 | SEOA6920 | 5223 | seoa6987 | 5279 | seoa7053 |
| 5056 | seoa6773 | 5112 | seoa6845 | 5168 | SEOA6921 | 5224 | seoa6988 | 5280 | seoa7054 |
| 5057 | seoa6774 | 5113 | seoa6846 | 5169 | SEOA6922 | 5225 | seoa6989 | 5281 | seoa7056 |
| 5058 | seoa6775 | 5114 | seoa6847 | 5170 | SEOA6923 | 5226 | seoa6990 | 5282 | seoa7057 |
| 5059 | seoa6776 | 5115 | seoa6848 | 5171 | SEOA6924 | 5227 | seoa6991 | 5283 | seoa7058 |
| 5060 | seoa6778 | 5116 | seoa6849 | 5172 | SEOA6925 | 5228 | seoa6992 | 5284 | SEOA7060a |
| 5061 | seoa6779 | 5117 | seoa6855 | 5173 | SEOA6926 | 5229 | seoa6993 | 5285 | SEOA7061a |
| 5062 | seoa6780 | 5118 | seoa6856 | 5174 | SEOA6927 | 5230 | seoa6994 | 5286 | SEOA7062a |
| 5063 | seoa6781 | 5119 | SEOA6860 | 5175 | SEOA6928 | 5231 | seoa6995 | 5287 | SEOA7063a |
| 5064 | seoa6782 | 5120 | SEOA6862 | 5176 | SEOA6929 | 5232 | seoa6996 | 5288 | SEOA7064a |
| 5065 | seoa6783 | 5121 | SEOA6863 | 5177 | SEOA6930 | 5233 | seoa6997 | 5289 | SEOA7065a |
| 5066 | seoa6784 | 5122 | SEOA6864 | 5178 | SEOA6932 | 5234 | seoa6998 | 5290 | seoa7066an |
| 5067 | seoa6785 | 5123 | SEOA6867 | 5179 | seoa6933 | 5235 | seoa7000 | 5291 | SEOA7067a |
| 5068 | seoa6786 | 5124 | SEOA6868 | 5180 | seoa6934 | 5236 | seoa7001 | 5292 | SEOA7068a |
| 5069 | seoa6787 | 5125 | SEOA6869 | 5181 | seoa6936 | 5237 | seoa7002 | 5293 | SEOA7069a |
| 5070 | seoa6788 | 5126 | SEOA6871 | 5182 | seoa6937 | 5238 | seoa7003 | 5294 | SEOA7070a |
| 5071 | seoa6789 | 5127 | SEOA6872 | 5183 | seoa6938 | 5239 | seoa7004 | 5295 | SEOA7072a |
| 5072 | seoa6790 | 5128 | SEOA6873 | 5184 | seoa6939 | 5240 | seoa7006 | 5296 | SEOA7073a |
| 5073 | seoa6791 | 5129 | SEOA6875 | 5185 | seoa6940 | 5241 | seoa7007 | 5297 | SEOA7074a |
| 5074 | seoa6792 | 5130 | SEOA6876 | 5186 | seoa6941 | 5242 | seoa7008 | 5298 | SEOA7075a |
| 5075 | seoa6793 | 5131 | SEOA6877 | 5187 | seoa6942 | 5243 | seoa7009 | 5299 | SEOA7076a |
| 5076 | seoa6794 | 5132 | SEOA6878 | 5188 | seoa6943 | 5244 | seoa7010 | 5300 | SEOA7077a |
| 5077 | seoa6795 | 5133 | SEOA6879 | 5189 | seoa6944 | 5245 | seoa7011 | 5301 | SEOA7078a |
| 5078 | seoa6797 | 5134 | SEOA6881 | 5190 | seoa6945 | 5246 | seoa7012 | 5302 | SEOA7080a |
| 5079 | seoa6798 | 5135 | seoa6883 | 5191 | seoa6946 | 5247 | seoa7013 | 5303 | SEOA7081a |
| 5080 | seoa6800 | 5136 | SEOA6884 | 5192 | seoa6948 | 5248 | seoa7014 | 5304 | SEOA7082a |
| 5081 | seoa6801 | 5137 | SEOA6885 | 5193 | seoa6950 | 5249 | seoa7015 | 5305 | SEOA7083a |
| 5082 | seoa6802 | 5138 | SEOA6886 | 5194 | seoa6951 | 5250 | seoa7017 | 5306 | SEOA7085a |
| 5083 | seoa6803 | 5139 | SEOA6887 | 5195 | seoa6952 | 5251 | seoa7018 | 5307 | SEOA7086a |
| 5084 | seoa6804 | 5140 | SEOA6888 | 5196 | seoa6953 | 5252 | seoa7019 | 5308 | SEOA7087a |
| 5085 | seoa6805 | 5141 | SEOA6889 | 5197 | seoa6955 | 5253 | seoa7020 | 5309 | SEOA7089a |
| 5086 | seoa6806 | 5142 | SEOA6891 | 5198 | seoa6956 | 5254 | seoa7021 | 5310 | SEOA7090a |
| 5087 | seoa6807 | 5143 | SEOA6892 | 5199 | seoa6957 | 5255 | seoa7022 | 5311 | SEOA7091a |
| 5088 | seoa6809 | 5144 | SEOA6893 | 5200 | seoa6958 | 5256 | seoa7024 | 5312 | SEOA7092a |
| 5089 | seoa6810 | 5145 | SEOA6894 | 5201 | seoa6959 | 5257 | seoa7026 | 5313 | SEOA7093a |
| 5090 | seoa6811 | 5146 | SEOA6895 | 5202 | seoa6960 | 5258 | seoa7027 | 5314 | SEOA7094a |
| 5091 | seoa6812 | 5147 | SEOA6896 | 5203 | seoa6962 | 5259 | seoa7028 | 5315 | SEOA7095a |
| 5092 | seoa6813 | 5148 | seoa6897n | 5204 | seoa6963 | 5260 | seoa7029 | 5316 | SEOA7097a |
| 5093 | seoa6814 | 5149 | SEOA6898 | 5205 | seoa6965 | 5261 | seoa7030 | 5317 | SEOA7098a |
| 5094 | seoa6815 | 5150 | SEOA6899 | 5206 | seoa6966 | 5262 | seoa7032 | 5318 | SEOA7099a |
| 5095 | seoa6816 | 5151 | SEOA6901 | 5207 | seoa6968 | 5263 | seoa7033 | 5319 | SEOA7105a |
| 5096 | seoa6818 | 5152 | SEOA6902 | 5208 | seoa6969 | 5264 | seoa7034 | 5320 | SEOA7109a |

Figure 6E – Continued

| | | | | | | | | | |
|------|-----------|------|-----------|------|-----------|------|-----------|------|-----------|
| 5321 | SEOA7110a | 5377 | SEOA7184a | 5433 | seo7257an | 5489 | SEOA7325a | 5545 | SEOA7396a |
| 5322 | SEOA7111a | 5378 | SEOA7186a | 5434 | SEOA7259a | 5490 | SEOA7326a | 5546 | SEOA7397a |
| 5323 | SEOA7112a | 5379 | SEOA7187a | 5435 | SEOA7260a | 5491 | SEOA7327a | 5547 | SEOA7398a |
| 5324 | SEOA7113a | 5380 | SEOA7188a | 5436 | SEOA7261a | 5492 | SEOA7328a | 5548 | SEOA7399a |
| 5325 | SEOA7114a | 5381 | seo7190an | 5437 | seo7263an | 5493 | SEOA7329a | 5549 | SEOA7400a |
| 5326 | SEOA7115a | 5382 | SEOA7192a | 5438 | SEOA7264a | 5494 | SEOA7330a | 5550 | SEOA7401a |
| 5327 | SEOA7116a | 5383 | SEOA7194a | 5439 | SEOA7265a | 5495 | SEOA7331a | 5551 | SEOA7403a |
| 5328 | SEOA7117a | 5384 | SEOA7195a | 5440 | SEOA7266a | 5496 | SEOA7332a | 5552 | SEOA7404a |
| 5329 | SEOA7119a | 5385 | seo7196an | 5441 | SEOA7267a | 5497 | SEOA7333a | 5553 | SEOA7405a |
| 5330 | SEOA7120a | 5386 | seo7197an | 5442 | SEOA7268a | 5498 | SEOA7334a | 5554 | SEOA7406a |
| 5331 | SEOA7122a | 5387 | SEOA7198a | 5443 | SEOA7270a | 5499 | SEOA7335a | 5555 | SEOA7408a |
| 5332 | SEOA7123a | 5388 | SEOA7199a | 5444 | SEOA7271a | 5500 | SEOA7336a | 5556 | SEOA7409a |
| 5333 | SEOA7124a | 5389 | SEOA7200a | 5445 | SEOA7272a | 5501 | SEOA7337a | 5557 | seo7411an |
| 5334 | SEOA7125a | 5390 | SEOA7201a | 5446 | seo7274an | 5502 | SEOA7338a | 5558 | SEOA7413a |
| 5335 | SEOA7126a | 5391 | SEOA7203a | 5447 | SEOA7275a | 5503 | SEOA7339a | 5559 | SEOA7415a |
| 5336 | SEOA7127a | 5392 | SEOA7204a | 5448 | SEOA7276a | 5504 | SEOA7340a | 5560 | SEOA7416a |
| 5337 | SEOA7128a | 5393 | SEOA7205a | 5449 | SEOA7277a | 5505 | SEOA7341a | 5561 | SEOA7417a |
| 5338 | SEOA7129a | 5394 | SEOA7206a | 5450 | SEOA7278a | 5506 | SEOA7342a | 5562 | SEOA7418a |
| 5339 | SEOA7132a | 5395 | SEOA7210a | 5451 | SEOA7280a | 5507 | SEOA7343a | 5563 | SEOA7419a |
| 5340 | SEOA7133a | 5396 | SEOA7211a | 5452 | SEOA7281a | 5508 | SEOA7344a | 5564 | SEOA7420a |
| 5341 | SEOA7134a | 5397 | SEOA7212a | 5453 | SEOA7282a | 5509 | SEOA7345a | 5565 | SEOA7421a |
| 5342 | SEOA7135a | 5398 | seo7213an | 5454 | SEOA7283a | 5510 | SEOA7347a | 5566 | seo7422a |
| 5343 | SEOA7136a | 5399 | SEOA7214a | 5455 | SEOA7285a | 5511 | SEOA7348a | 5567 | SEOA7423a |
| 5344 | SEOA7138a | 5400 | SEOA7215a | 5456 | SEOA7286a | 5512 | SEOA7352a | 5568 | SEOA7424a |
| 5345 | SEOA7143a | 5401 | SEOA7216a | 5457 | SEOA7288a | 5513 | SEOA7353a | 5569 | SEOA7425a |
| 5346 | SEOA7145a | 5402 | SEOA7217a | 5458 | SEOA7289a | 5514 | SEOA7354a | 5570 | SEOA7426a |
| 5347 | SEOA7146a | 5403 | SEOA7218a | 5459 | SEOA7290a | 5515 | SEOA7358a | 5571 | SEOA7427a |
| 5348 | SEOA7147a | 5404 | SEOA7219a | 5460 | SEOA7291a | 5516 | SEOA7360a | 5572 | SEOA7428a |
| 5349 | SEOA7149a | 5405 | SEOA7220a | 5461 | SEOA7292a | 5517 | SEOA7361a | 5573 | SEOA7429a |
| 5350 | SEOA7150a | 5406 | SEOA7221a | 5462 | SEOA7293a | 5518 | SEOA7362a | 5574 | SEOA7430a |
| 5351 | SEOA7151a | 5407 | SEOA7222a | 5463 | SEOA7294a | 5519 | SEOA7363a | 5575 | SEOA7431a |
| 5352 | SEOA7153a | 5408 | SEOA7223a | 5464 | SEOA7295a | 5520 | SEOA7364a | 5576 | SEOA7432a |
| 5353 | SEOA7154a | 5409 | SEOA7224a | 5465 | SEOA7296a | 5521 | SEOA7365a | 5577 | seo7433an |
| 5354 | SEOA7155a | 5410 | SEOA7225a | 5466 | SEOA7298a | 5522 | SEOA7366a | 5578 | SEOA7434a |
| 5355 | SEOA7157a | 5411 | SEOA7226a | 5467 | SEOA7299a | 5523 | SEOA7367a | 5579 | SEOA7436a |
| 5356 | seo7159an | 5412 | SEOA7227a | 5468 | seo7300an | 5524 | SEOA7368a | 5580 | SEOA7438a |
| 5357 | SEOA7160a | 5413 | seo7228a | 5469 | SEOA7301a | 5525 | SEOA7369a | 5581 | SEOA7440a |
| 5358 | SEOA7161a | 5414 | SEOA7229a | 5470 | SEOA7302a | 5526 | SEOA7370a | 5582 | SEOA7441a |
| 5359 | SEOA7162a | 5415 | SEOA7231a | 5471 | SEOA7304a | 5527 | SEOA7371a | 5583 | SEOA7442a |
| 5360 | SEOA7165a | 5416 | SEOA7232a | 5472 | SEOA7306a | 5528 | SEOA7372a | 5584 | SEOA7443a |
| 5361 | SEOA7166a | 5417 | SEOA7233a | 5473 | SEOA7307a | 5529 | SEOA7373a | 5585 | seo7444an |
| 5362 | SEOA7167a | 5418 | SEOA7235a | 5474 | SEOA7308a | 5530 | SEOA7376a | 5586 | SEOA7446a |
| 5363 | SEOA7168a | 5419 | SEOA7237a | 5475 | SEOA7309a | 5531 | SEOA7378a | 5587 | SEOA7448a |
| 5364 | SEOA7169a | 5420 | SEOA7238a | 5476 | SEOA7310a | 5532 | SEOA7379a | 5588 | SEOA7449a |
| 5365 | SEOA7170a | 5421 | SEOA7239a | 5477 | SEOA7311a | 5533 | SEOA7380a | 5589 | SEOA7451a |
| 5366 | SEOA7171a | 5422 | SEOA7240a | 5478 | SEOA7313a | 5534 | SEOA7383a | 5590 | SEOA7453a |
| 5367 | SEOA7174a | 5423 | SEOA7241a | 5479 | seo7314a | 5535 | SEOA7384a | 5591 | SEOA7455a |
| 5368 | SEOA7175a | 5424 | SEOA7243a | 5480 | seo7315a | 5536 | SEOA7385a | 5592 | SEOA7456a |
| 5369 | SEOA7176a | 5425 | SEOA7244a | 5481 | SEOA7316a | 5537 | SEOA7386a | 5593 | SEOA7458a |
| 5370 | SEOA7177a | 5426 | SEOA7245a | 5482 | SEOA7317a | 5538 | SEOA7387a | 5594 | SEOA7459a |
| 5371 | SEOA7178a | 5427 | SEOA7248a | 5483 | seo7318a | 5539 | SEOA7389a | 5595 | SEOA7460a |
| 5372 | SEOA7179a | 5428 | SEOA7249a | 5484 | SEOA7319a | 5540 | SEOA7390a | 5596 | SEOA7461a |
| 5373 | SEOA7180a | 5429 | SEOA7250a | 5485 | SEOA7320a | 5541 | SEOA7391a | 5597 | SEOA7464a |
| 5374 | SEOA7181a | 5430 | SEOA7251a | 5486 | SEOA7322a | 5542 | SEOA7393a | 5598 | seo7466an |
| 5375 | SEOA7182a | 5431 | SEOA7254a | 5487 | SEOA7323a | 5543 | SEOA7394a | 5599 | SEOA7467a |
| 5376 | SEOA7183a | 5432 | SEOA7256a | 5488 | SEOA7324a | 5544 | SEOA7395a | 5600 | SEOA7468a |

Figure 6E -- Continued

| | | | | | | | | | |
|------|------------|------|------------|------|------------|------|-----------|------|-----------|
| 5601 | SEOA7469a | 5657 | SEOA7541a | 5713 | SEOA7608a | 5769 | SEOA7676a | 5825 | seoa7744a |
| 5602 | SEOA7471a | 5658 | SEOA7542a | 5714 | SEOA7610a | 5770 | seoa7677a | 5826 | seoa7745a |
| 5603 | SEOA7472a | 5659 | SEOA7543a | 5715 | SEOA7611a | 5771 | seoa7679a | 5827 | seoa7746a |
| 5604 | SEOA7474a | 5660 | seoa7544an | 5716 | SEOA7612a | 5772 | seoa7680a | 5828 | seoa7748a |
| 5605 | SEOA7476a | 5661 | SEOA7546a | 5717 | SEOA7613a | 5773 | seoa7681a | 5829 | seoa7749a |
| 5606 | SEOA7477a | 5662 | SEOA7547a | 5718 | SEOA7614a | 5774 | seoa7682a | 5830 | seoa7750a |
| 5607 | SEOA7478a | 5663 | SEOA7548a | 5719 | seoa7615an | 5775 | seoa7684a | 5831 | seoa7751a |
| 5608 | SEOA7479a | 5664 | seoa7549an | 5720 | SEOA7616a | 5776 | seoa7686a | 5832 | seoa7752a |
| 5609 | SEOA7481a | 5665 | SEOA7550a | 5721 | SEOA7617a | 5777 | seoa7687a | 5833 | seoa7753a |
| 5610 | SEOA7482a | 5666 | SEOA7551a | 5722 | SEOA7618a | 5778 | seoa7688a | 5834 | seoa7754a |
| 5611 | SEOA7483a | 5667 | SEOA7552a | 5723 | SEOA7619a | 5779 | seoa7691a | 5835 | seoa7755a |
| 5612 | seoa7484an | 5668 | SEOA7553a | 5724 | seoa7620an | 5780 | seoa7692a | 5836 | seoa7757a |
| 5613 | SEOA7485a | 5669 | SEOA7555a | 5725 | SEOA7621a | 5781 | seoa7693a | 5837 | seoa7758a |
| 5614 | SEOA7487a | 5670 | SEOA7556a | 5726 | SEOA7622a | 5782 | seoa7694a | 5838 | seoa7759a |
| 5615 | SEOA7488a | 5671 | SEOA7558a | 5727 | seoa7623an | 5783 | seoa7695a | 5839 | seoa7760a |
| 5616 | seoa7489an | 5672 | SEOA7560a | 5728 | SEOA7624a | 5784 | seoa7696a | 5840 | seoa7761a |
| 5617 | SEOA7491a | 5673 | SEOA7561a | 5729 | SEOA7626a | 5785 | seoa7697a | 5841 | seoa7762a |
| 5618 | SEOA7492a | 5674 | SEOA7562a | 5730 | SEOA7627a | 5786 | seoa7698a | 5842 | seoa7764a |
| 5619 | SEOA7493a | 5675 | SEOA7563a | 5731 | SEOA7628a | 5787 | seoa7699a | 5843 | seoa7765a |
| 5620 | SEOA7495a | 5676 | SEOA7564a | 5732 | SEOA7629a | 5788 | seoa7700a | 5844 | seoa7766a |
| 5621 | SEOA7496a | 5677 | seoa7565an | 5733 | SEOA7630a | 5789 | seoa7701a | 5845 | seoa7767a |
| 5622 | SEOA7497a | 5678 | SEOA7566a | 5734 | SEOA7633a | 5790 | seoa7702a | 5846 | seoa7769a |
| 5623 | SEOA7498a | 5679 | SEOA7568a | 5735 | SEOA7634a | 5791 | seoa7704a | 5847 | seoa7772a |
| 5624 | SEOA7500a | 5680 | SEOA7569a | 5736 | SEOA7635a | 5792 | seoa7705a | 5848 | seoa7773a |
| 5625 | SEOA7501a | 5681 | SEOA7570a | 5737 | SEOA7636a | 5793 | seoa7707a | 5849 | seoa7774a |
| 5626 | seoa7503an | 5682 | SEOA7571a | 5738 | SEOA7638a | 5794 | seoa7708a | 5850 | seoa7775a |
| 5627 | SEOA7504a | 5683 | SEOA7573a | 5739 | SEOA7639a | 5795 | seoa7709a | 5851 | seoa7776a |
| 5628 | SEOA7507a | 5684 | SEOA7574a | 5740 | SEOA7640a | 5796 | seoa7710a | 5852 | seoa7777a |
| 5629 | SEOA7508a | 5685 | SEOA7575a | 5741 | SEOA7641a | 5797 | seoa7711a | 5853 | seoa7778a |
| 5630 | SEOA7509a | 5686 | SEOA7577a | 5742 | SEOA7642a | 5798 | seoa7712a | 5854 | seoa7782a |
| 5631 | SEOA7511a | 5687 | SEOA7578a | 5743 | SEOA7643a | 5799 | seoa7713a | 5855 | seoa7786a |
| 5632 | SEOA7512a | 5688 | SEOA7579a | 5744 | SEOA7644a | 5800 | seoa7714a | 5856 | seoa7788a |
| 5633 | SEOA7514a | 5689 | SEOA7580a | 5745 | SEOA7645a | 5801 | seoa7715a | 5857 | seoa7790a |
| 5634 | SEOA7515a | 5690 | SEOA7581a | 5746 | SEOA7646a | 5802 | seoa7716a | 5858 | seoa7791a |
| 5635 | SEOA7516a | 5691 | SEOA7582a | 5747 | SEOA7647a | 5803 | seoa7717a | 5859 | seoa7793a |
| 5636 | SEOA7517a | 5692 | SEOA7583a | 5748 | SEOA7648a | 5804 | seoa7718a | 5860 | seoa7795a |
| 5637 | SEOA7519a | 5693 | SEOA7584a | 5749 | SEOA7649a | 5805 | seoa7719a | 5861 | seoa7796a |
| 5638 | SEOA7520a | 5694 | SEOA7585a | 5750 | SEOA7650a | 5806 | seoa7721a | 5862 | seoa7800a |
| 5639 | SEOA7521a | 5695 | SEOA7586a | 5751 | SEOA7651a | 5807 | seoa7722a | 5863 | seoa7801a |
| 5640 | SEOA7522a | 5696 | SEOA7587a | 5752 | SEOA7652a | 5808 | seoa7723a | 5864 | seoa7802a |
| 5641 | SEOA7523a | 5697 | SEOA7588a | 5753 | SEOA7653a | 5809 | seoa7725a | 5865 | seoa7803a |
| 5642 | SEOA7524a | 5698 | SEOA7589a | 5754 | SEOA7654a | 5810 | seoa7726a | 5866 | seoa7805a |
| 5643 | SEOA7525a | 5699 | SEOA7591a | 5755 | SEOA7655a | 5811 | seoa7727a | 5867 | seoa7806a |
| 5644 | SEOA7526a | 5700 | SEOA7592a | 5756 | SEOA7656a | 5812 | seoa7728a | 5868 | seoa7807a |
| 5645 | SEOA7527a | 5701 | SEOA7593a | 5757 | SEOA7657a | 5813 | seoa7729a | 5869 | seoa7808a |
| 5646 | SEOA7528a | 5702 | SEOA7595a | 5758 | SEOA7659a | 5814 | seoa7732a | 5870 | seoa7809a |
| 5647 | SEOA7529a | 5703 | SEOA7597a | 5759 | SEOA7662a | 5815 | seoa7733a | 5871 | seoa7811a |
| 5648 | SEOA7530a | 5704 | SEOA7598a | 5760 | SEOA7663a | 5816 | seoa7734a | 5872 | seoa7812a |
| 5649 | SEOA7531a | 5705 | SEOA7600a | 5761 | SEOA7664a | 5817 | seoa7735a | 5873 | seoa7813a |
| 5650 | SEOA7532a | 5706 | SEOA7601a | 5762 | SEOA7666a | 5818 | seoa7736a | 5874 | seoa7814a |
| 5651 | SEOA7534a | 5707 | SEOA7602a | 5763 | SEOA7668a | 5819 | seoa7738a | 5875 | seoa7815a |
| 5652 | SEOA7535a | 5708 | SEOA7603a | 5764 | SEOA7669a | 5820 | seoa7739a | 5876 | seoa7816a |
| 5653 | SEOA7536a | 5709 | SEOA7604a | 5765 | SEOA7670a | 5821 | seoa7740a | 5877 | seoa7817a |
| 5654 | SEOA7538a | 5710 | SEOA7605a | 5766 | SEOA7672a | 5822 | seoa7741a | 5878 | seoa7818a |
| 5655 | SEOA7539a | 5711 | SEOA7606a | 5767 | SEOA7674a | 5823 | seoa7742a | 5879 | seoa7819a |
| 5656 | SEOA7540a | 5712 | SEOA7607a | 5768 | SEOA7675a | 5824 | seoa7743a | 5880 | seoa7820a |

Figure 6E - Continued

| | | | | | | | | | |
|------|-----------|------|------------|------|----------|------|----------|------|------------|
| 5881 | seoa7822a | 5937 | SEOA7900a | 5993 | seoa7970 | 6049 | seoa8038 | 6105 | seoa8109 |
| 5882 | seoa7824a | 5938 | SEOA7902a | 5994 | seoa7972 | 6050 | seoa8039 | 6106 | seoa8110 |
| 5883 | seoa7825a | 5939 | SEOA7904a | 5995 | seoa7973 | 6051 | seoa8040 | 6107 | seoa8111 |
| 5884 | seoa7827a | 5940 | SEOA7907a | 5996 | seoa7974 | 6052 | seoa8041 | 6108 | seoa8113 |
| 5885 | seoa7828a | 5941 | SEOA7908a | 5997 | seoa7975 | 6053 | seoa8043 | 6109 | seoa8114 |
| 5886 | seoa7829a | 5942 | SEOA7910a | 5998 | seoa7977 | 6054 | seoa8045 | 6110 | seoa8115 |
| 5887 | seoa7830a | 5943 | SEOA7911a | 5999 | seoa7978 | 6055 | seoa8046 | 6111 | seoa8116 |
| 5888 | seoa7831a | 5944 | SEOA7914a | 6000 | seoa7980 | 6056 | seoa8047 | 6112 | seoa8118 |
| 5889 | seoa7832a | 5945 | SEOA7915a | 6001 | seoa7981 | 6057 | seoa8048 | 6113 | seoa8119 |
| 5890 | seoa7833a | 5946 | SEOA7917a | 6002 | seoa7982 | 6058 | seoa8049 | 6114 | seoa8120 |
| 5891 | seoa7834a | 5947 | SEOA7918a | 6003 | seoa7983 | 6059 | seoa8050 | 6115 | seoa8121 |
| 5892 | seoa7835a | 5948 | seoa7919an | 6004 | seoa7984 | 6060 | seoa8051 | 6116 | seoa8122 |
| 5893 | seoa7836a | 5949 | SEOA7920a | 6005 | seoa7985 | 6061 | seoa8052 | 6117 | seoa8124 |
| 5894 | seoa7837a | 5950 | SEOA7921a | 6006 | seoa7986 | 6062 | seoa8054 | 6118 | seoa8126 |
| 5895 | seoa7838a | 5951 | SEOA7923a | 6007 | seoa7988 | 6063 | seoa8055 | 6119 | seoa8127 |
| 5896 | seoa7839a | 5952 | seoa7924an | 6008 | seoa7989 | 6064 | seoa8058 | 6120 | seoa8129 |
| 5897 | seoa7840a | 5953 | SEOA7925a | 6009 | seoa7990 | 6065 | seoa8059 | 6121 | seoa8131 |
| 5898 | seoa7842a | 5954 | SEOA7926a | 6010 | seoa7991 | 6066 | seoa8060 | 6122 | seoa8132 |
| 5899 | seoa7844a | 5955 | SEOA7927a | 6011 | seoa7996 | 6067 | seoa8063 | 6123 | seoa8133 |
| 5900 | seoa7845a | 5956 | SEOA7928a | 6012 | seoa7997 | 6068 | seoa8064 | 6124 | seoa8134 |
| 5901 | seoa7846a | 5957 | SEOA7929a | 6013 | seoa7998 | 6069 | seoa8065 | 6125 | seoa8137 |
| 5902 | seoa7847a | 5958 | SEOA7930a | 6014 | seoa7999 | 6070 | seoa8066 | 6126 | seoa8138 |
| 5903 | seoa7848a | 5959 | SEOA7931a | 6015 | seoa8001 | 6071 | seoa8067 | 6127 | seoa8139 |
| 5904 | seoa7850a | 5960 | SEOA7932a | 6016 | seoa8002 | 6072 | seoa8070 | 6128 | seoa8141 |
| 5905 | seoa7851a | 5961 | SEOA7933a | 6017 | seoa8003 | 6073 | seoa8071 | 6129 | seoa8142 |
| 5906 | seoa7853a | 5962 | SEOA7935a | 6018 | seoa8004 | 6074 | seoa8072 | 6130 | seoa8144 |
| 5907 | seoa7854a | 5963 | SEOA7936a | 6019 | seoa8005 | 6075 | seoa8073 | 6131 | seoa8146 |
| 5908 | seoa7855a | 5964 | SEOA7937a | 6020 | seoa8006 | 6076 | seoa8074 | 6132 | seoa8148 |
| 5909 | seoa7856a | 5965 | SEOA7938a | 6021 | seoa8007 | 6077 | seoa8075 | 6133 | seoa8149 |
| 5910 | seoa7859a | 5966 | SEOA7939a | 6022 | seoa8008 | 6078 | seoa8077 | 6134 | seoa8150 |
| 5911 | seoa7860a | 5967 | SEOA7940a | 6023 | seoa8009 | 6079 | seoa8078 | 6135 | seoa8151 |
| 5912 | seoa7861a | 5968 | SEOA7942a | 6024 | seoa8010 | 6080 | seoa8080 | 6136 | seoa8153 |
| 5913 | seoa7862a | 5969 | SEOA7943a | 6025 | seoa8011 | 6081 | seoa8082 | 6137 | seoa8154 |
| 5914 | seoa7863a | 5970 | seoa7945an | 6026 | seoa8012 | 6082 | seoa8083 | 6138 | seoa8156 |
| 5915 | seoa7867a | 5971 | SEOA7946a | 6027 | seoa8014 | 6083 | seoa8084 | 6139 | seoa8158 |
| 5916 | seoa7868a | 5972 | SEOA7947a | 6028 | seoa8015 | 6084 | seoa8086 | 6140 | seoa8159 |
| 5917 | seoa7869a | 5973 | SEOA7948a | 6029 | seoa8016 | 6085 | seoa8087 | 6141 | seoa8160 |
| 5918 | seoa7870a | 5974 | SEOA7949a | 6030 | seoa8017 | 6086 | seoa8088 | 6142 | seoa8161 |
| 5919 | seoa7871a | 5975 | SEOA7950a | 6031 | seoa8018 | 6087 | seoa8089 | 6143 | seoa8164 |
| 5920 | seoa7872a | 5976 | SEOA7951a | 6032 | seoa8019 | 6088 | seoa8090 | 6144 | SEOA8165a |
| 5921 | seoa7876a | 5977 | SEOA7952a | 6033 | seoa8020 | 6089 | seoa8091 | 6145 | SEOA8166a |
| 5922 | seoa7877a | 5978 | SEOA7953a | 6034 | seoa8021 | 6090 | seoa8092 | 6146 | SEOA8167a |
| 5923 | seoa7878a | 5979 | seoa7955 | 6035 | seoa8023 | 6091 | seoa8093 | 6147 | SEOA8171a |
| 5924 | seoa7879a | 5980 | seoa7956 | 6036 | seoa8024 | 6092 | seoa8094 | 6148 | SEOA8172a |
| 5925 | seoa7880a | 5981 | seoa7957 | 6037 | seoa8025 | 6093 | seoa8095 | 6149 | seoa8173an |
| 5926 | seoa7883a | 5982 | seoa7958 | 6038 | seoa8026 | 6094 | seoa8096 | 6150 | SEOA8174a |
| 5927 | seoa7885a | 5983 | seoa7959 | 6039 | seoa8027 | 6095 | seoa8097 | 6151 | SEOA8175a |
| 5928 | seoa7886a | 5984 | seoa7960 | 6040 | seoa8028 | 6096 | seoa8098 | 6152 | SEOA8176a |
| 5929 | seoa7887a | 5985 | seoa7961 | 6041 | seoa8029 | 6097 | seoa8099 | 6153 | SEOA8177a |
| 5930 | seoa7890a | 5986 | seoa7962 | 6042 | seoa8030 | 6098 | seoa8101 | 6154 | SEOA8179a |
| 5931 | SEOA7892a | 5987 | seoa7963 | 6043 | seoa8031 | 6099 | seoa8102 | 6155 | SEOA8181a |
| 5932 | SEOA7893a | 5988 | seoa7965 | 6044 | seoa8032 | 6100 | seoa8104 | 6156 | SEOA8184a |
| 5933 | SEOA7894a | 5989 | seoa7966 | 6045 | seoa8033 | 6101 | seoa8105 | 6157 | SEOA8186a |
| 5934 | SEOA7895a | 5990 | seoa7967 | 6046 | seoa8035 | 6102 | seoa8106 | 6158 | seoa8187a |
| 5935 | SEOA7897a | 5991 | seoa7968 | 6047 | seoa8036 | 6103 | seoa8107 | 6159 | SEOA8188a |
| 5936 | SEOA7899a | 5992 | seoa7969 | 6048 | seoa8037 | 6104 | seoa8108 | 6160 | SEOA8189a |

Figure 6E - Continued

| | | | | | | | | | |
|------|-----------|------|-----------|------|-----------|------|-----------|------|----------|
| 6161 | SEOA8190a | 6217 | SEOA8259 | 6273 | SEOA8330a | 6329 | SEOA8399a | 6385 | SEOA8475 |
| 6162 | SEOA8191a | 6218 | SEOA8260 | 6274 | SEOA8331a | 6330 | SEOA8401a | 6386 | SEOA8477 |
| 6163 | SEOA8192a | 6219 | SEOA8262 | 6275 | seo8334an | 6331 | SEOA8402a | 6387 | SEOA8478 |
| 6164 | SEOA8193a | 6220 | SEOA8263 | 6276 | SEOA8335a | 6332 | SEOA8403a | 6388 | SEOA8479 |
| 6165 | SEOA8194a | 6221 | SEOA8264 | 6277 | SEOA8336a | 6333 | SEOA8406a | 6389 | SEOA8480 |
| 6166 | SEOA8195a | 6222 | SEOA8265 | 6278 | SEOA8340a | 6334 | SEOA8407a | 6390 | SEOA8481 |
| 6167 | SEOA8197a | 6223 | SEOA8266 | 6279 | SEOA8341a | 6335 | SEOA8417 | 6391 | SEOA8482 |
| 6168 | SEOA8199a | 6224 | SEOA8267 | 6280 | SEOA8342a | 6336 | SEOA8418 | 6392 | SEOA8483 |
| 6169 | SEOA8200a | 6225 | SEOA8268 | 6281 | SEOA8343a | 6337 | SEOA8419 | 6393 | SEOA8484 |
| 6170 | SEOA8201a | 6226 | SEOA8269 | 6282 | SEOA8344a | 6338 | SEOA8420 | 6394 | SEOA8486 |
| 6171 | SEOA8202a | 6227 | SEOA8270 | 6283 | SEOA8347a | 6339 | SEOA8421 | 6395 | SEOA8487 |
| 6172 | SEOA8203a | 6228 | SEOA8271 | 6284 | SEOA8348a | 6340 | SEOA8422 | 6396 | SEOA8488 |
| 6173 | SEOA8204 | 6229 | SEOA8272 | 6285 | SEOA8350a | 6341 | SEOA8423 | 6397 | SEOA8489 |
| 6174 | SEOA8206 | 6230 | SEOA8273 | 6286 | SEOA8351a | 6342 | SEOA8424 | 6398 | SEOA8491 |
| 6175 | SEOA8207 | 6231 | SEOA8274 | 6287 | SEOA8352a | 6343 | SEOA8425 | 6399 | SEOA8492 |
| 6176 | SEOA8208 | 6232 | SEOA8275 | 6288 | SEOA8354a | 6344 | SEOA8426 | 6400 | SEOA8493 |
| 6177 | SEOA8209 | 6233 | SEOA8276 | 6289 | SEOA8355a | 6345 | SEOA8428 | 6401 | SEOA8498 |
| 6178 | SEOA8211 | 6234 | SEOA8277 | 6290 | SEOA8356a | 6346 | SEOA8429 | 6402 | SEOA8499 |
| 6179 | SEOA8212 | 6235 | SEOA8278 | 6291 | seo8357an | 6347 | SEOA8430 | 6403 | SEOA8501 |
| 6180 | SEOA8213 | 6236 | seo8279n | 6292 | SEOA8358a | 6348 | SEOA8432 | 6404 | SEOA8502 |
| 6181 | SEOA8214 | 6237 | seo8280n | 6293 | seo8359an | 6349 | SEOA8433 | 6405 | SEOA8504 |
| 6182 | SEOA8215 | 6238 | seo8281 | 6294 | SEOA8360a | 6350 | SEOA8434 | 6406 | SEOA8505 |
| 6183 | SEOA8217 | 6239 | SEOA8283 | 6295 | SEOA8361a | 6351 | SEOA8436 | 6407 | SEOA8506 |
| 6184 | SEOA8220 | 6240 | seo8284n | 6296 | SEOA8363a | 6352 | SEOA8437 | 6408 | SEOA8507 |
| 6185 | SEOA8221 | 6241 | SEOA8285 | 6297 | SEOA8364a | 6353 | SEOA8438 | 6409 | SEOA8508 |
| 6186 | SEOA8222 | 6242 | SEOA8286 | 6298 | SEOA8365a | 6354 | SEOA8439 | 6410 | SEOA8509 |
| 6187 | SEOA8223 | 6243 | SEOA8288 | 6299 | SEOA8366a | 6355 | SEOA8440 | 6411 | SEOA8510 |
| 6188 | SEOA8226 | 6244 | SEOA8289 | 6300 | SEOA8367a | 6356 | SEOA8441 | 6412 | SEOA8511 |
| 6189 | SEOA8227 | 6245 | SEOA8290 | 6301 | SEOA8368a | 6357 | SEOA8442 | 6413 | SEOA8512 |
| 6190 | SEOA8229 | 6246 | SEOA8291 | 6302 | SEOA8369a | 6358 | SEOA8443 | 6414 | SEOA8514 |
| 6191 | SEOA8230 | 6247 | SEOA8294 | 6303 | SEOA8370a | 6359 | SEOA8444 | 6415 | SEOA8515 |
| 6192 | SEOA8231 | 6248 | SEOA8296 | 6304 | SEOA8371a | 6360 | SEOA8445 | 6416 | SEOA8516 |
| 6193 | SEOA8232 | 6249 | SEOA8298 | 6305 | SEOA8372a | 6361 | SEOA8446 | 6417 | SEOA8517 |
| 6194 | SEOA8233 | 6250 | SEOA8299 | 6306 | SEOA8374a | 6362 | SEOA8447 | 6418 | SEOA8518 |
| 6195 | SEOA8234 | 6251 | SEOA8300 | 6307 | SEOA8376a | 6363 | SEOA8449 | 6419 | SEOA8519 |
| 6196 | SEOA8236 | 6252 | SEOA8301 | 6308 | seo8377an | 6364 | SEOA8451 | 6420 | SEOA8520 |
| 6197 | SEOA8237 | 6253 | SEOA8304 | 6309 | SEOA8378a | 6365 | SEOA8452 | 6421 | SEOA8521 |
| 6198 | SEOA8238 | 6254 | SEOA8306a | 6310 | SEOA8379a | 6366 | SEOA8453 | 6422 | SEOA8522 |
| 6199 | SEOA8239 | 6255 | SEOA8307a | 6311 | SEOA8380a | 6367 | SEOA8454 | 6423 | SEOA8523 |
| 6200 | SEOA8240 | 6256 | SEOA8308a | 6312 | SEOA8381a | 6368 | SEOA8455 | 6424 | SEOA8524 |
| 6201 | SEOA8241 | 6257 | SEOA8309a | 6313 | SEOA8382a | 6369 | SEOA8456 | 6425 | SEOA8525 |
| 6202 | SEOA8242 | 6258 | SEOA8310a | 6314 | SEOA8383a | 6370 | SEOA8457 | 6426 | SEOA8526 |
| 6203 | SEOA8243 | 6259 | SEOA8311a | 6315 | SEOA8384a | 6371 | SEOA8458 | 6427 | seo8527n |
| 6204 | SEOA8244 | 6260 | SEOA8312a | 6316 | SEOA8386a | 6372 | SEOA8459 | 6428 | SEOA8528 |
| 6205 | SEOA8245 | 6261 | SEOA8313a | 6317 | SEOA8387a | 6373 | SEOA8460 | 6429 | SEOA8529 |
| 6206 | SEOA8246 | 6262 | SEOA8315a | 6318 | SEOA8388a | 6374 | SEOA8461 | 6430 | SEOA8530 |
| 6207 | SEOA8248 | 6263 | SEOA8316a | 6319 | SEOA8389a | 6375 | SEOA8462 | 6431 | SEOA8531 |
| 6208 | SEOA8250 | 6264 | SEOA8317a | 6320 | SEOA8390a | 6376 | SEOA8463 | 6432 | SEOA8532 |
| 6209 | SEOA8251 | 6265 | SEOA8318a | 6321 | SEOA8391a | 6377 | SEOA8464 | 6433 | SEOA8533 |
| 6210 | SEOA8252 | 6266 | SEOA8321a | 6322 | SEOA8392a | 6378 | SEOA8466 | 6434 | SEOA8534 |
| 6211 | SEOA8253 | 6267 | SEOA8322a | 6323 | seo8393an | 6379 | SEOA8467 | 6435 | SEOA8535 |
| 6212 | SEOA8254 | 6268 | SEOA8323a | 6324 | SEOA8394a | 6380 | SEOA8468 | 6436 | SEOA8537 |
| 6213 | SEOA8255 | 6269 | SEOA8324a | 6325 | SEOA8395a | 6381 | SEOA8469 | 6437 | SEOA8538 |
| 6214 | SEOA8256 | 6270 | SEOA8325a | 6326 | SEOA8396a | 6382 | SEOA8471 | 6438 | SEOA8539 |
| 6215 | SEOA8257 | 6271 | SEOA8326a | 6327 | SEOA8397a | 6383 | SEOA8472 | 6439 | SEOA8540 |
| 6216 | SEOA8258 | 6272 | SEOA8327a | 6328 | SEOA8398a | 6384 | SEOA8474 | 6440 | SEOA8541 |

Figure 6E – Continued

| | | | | | | | | | |
|------|----------|------|----------|------|----------|------|----------|------|----------|
| 6441 | SEOA8542 | 6497 | SEOA8604 | 6553 | SEOA8670 | 6609 | SEOA8739 | 6665 | SEOA8801 |
| 6442 | SEOA8543 | 6498 | SEOA8605 | 6554 | SEOA8671 | 6610 | SEOA8740 | 6666 | SEOA8802 |
| 6443 | SEOA8544 | 6499 | SEOA8606 | 6555 | SEOA8672 | 6611 | SEOA8741 | 6667 | SEOA8803 |
| 6444 | SEOA8546 | 6500 | SEOA8608 | 6556 | SEOA8673 | 6612 | SEOA8742 | 6668 | SEOA8804 |
| 6445 | seo8547n | 6501 | SEOA8609 | 6557 | SEOA8674 | 6613 | SEOA8743 | 6669 | SEOA8805 |
| 6446 | seo8548n | 6502 | SEOA8610 | 6558 | SEOA8675 | 6614 | SEOA8744 | 6670 | SEOA8806 |
| 6447 | SEOA8549 | 6503 | SEOA8611 | 6559 | SEOA8676 | 6615 | SEOA8745 | 6671 | SEOA8808 |
| 6448 | SEOA8550 | 6504 | SEOA8612 | 6560 | SEOA8677 | 6616 | SEOA8746 | 6672 | SEOA8809 |
| 6449 | SEOA8551 | 6505 | SEOA8613 | 6561 | SEOA8678 | 6617 | SEOA8747 | 6673 | seo8812n |
| 6450 | SEOA8552 | 6506 | SEOA8614 | 6562 | SEOA8679 | 6618 | SEOA8748 | 6674 | SEOA8813 |
| 6451 | SEOA8553 | 6507 | SEOA8615 | 6563 | SEOA8680 | 6619 | SEOA8749 | 6675 | SEOA8814 |
| 6452 | SEOA8554 | 6508 | SEOA8616 | 6564 | SEOA8681 | 6620 | SEOA8750 | 6676 | SEOA8816 |
| 6453 | SEOA8555 | 6509 | SEOA8617 | 6565 | SEOA8682 | 6621 | SEOA8751 | 6677 | SEOA8817 |
| 6454 | SEOA8556 | 6510 | SEOA8618 | 6566 | SEOA8683 | 6622 | SEOA8752 | 6678 | SEOA8818 |
| 6455 | SEOA8557 | 6511 | SEOA8619 | 6567 | SEOA8684 | 6623 | SEOA8753 | 6679 | SEOA8819 |
| 6456 | SEOA8558 | 6512 | SEOA8620 | 6568 | SEOA8685 | 6624 | SEOA8754 | 6680 | SEOA8820 |
| 6457 | SEOA8559 | 6513 | SEOA8621 | 6569 | SEOA8686 | 6625 | SEOA8756 | 6681 | SEOA8821 |
| 6458 | SEOA8560 | 6514 | SEOA8622 | 6570 | SEOA8687 | 6626 | SEOA8757 | 6682 | SEOA8822 |
| 6459 | SEOA8562 | 6515 | SEOA8623 | 6571 | SEOA8690 | 6627 | SEOA8758 | 6683 | SEOA8823 |
| 6460 | SEOA8563 | 6516 | SEOA8624 | 6572 | SEOA8691 | 6628 | SEOA8759 | 6684 | SEOA8824 |
| 6461 | SEOA8564 | 6517 | SEOA8625 | 6573 | SEOA8692 | 6629 | SEOA8760 | 6685 | SEOA8825 |
| 6462 | SEOA8565 | 6518 | SEOA8626 | 6574 | SEOA8693 | 6630 | SEOA8761 | 6686 | SEOA8826 |
| 6463 | SEOA8566 | 6519 | SEOA8627 | 6575 | SEOA8694 | 6631 | SEOA8762 | 6687 | SEOA8827 |
| 6464 | SEOA8567 | 6520 | SEOA8628 | 6576 | SEOA8696 | 6632 | SEOA8764 | 6688 | SEOA8828 |
| 6465 | SEOA8568 | 6521 | SEOA8630 | 6577 | SEOA8698 | 6633 | SEOA8765 | 6689 | SEOA8830 |
| 6466 | SEOA8569 | 6522 | SEOA8631 | 6578 | SEOA8699 | 6634 | SEOA8766 | 6690 | SEOA8831 |
| 6467 | SEOA8570 | 6523 | SEOA8632 | 6579 | SEOA8700 | 6635 | SEOA8767 | 6691 | SEOA8832 |
| 6468 | SEOA8571 | 6524 | SEOA8633 | 6580 | SEOA8701 | 6636 | SEOA8768 | 6692 | SEOA8833 |
| 6469 | SEOA8572 | 6525 | SEOA8634 | 6581 | SEOA8702 | 6637 | SEOA8770 | 6693 | SEOA8834 |
| 6470 | SEOA8573 | 6526 | SEOA8635 | 6582 | SEOA8703 | 6638 | SEOA8771 | 6694 | SEOA8835 |
| 6471 | SEOA8575 | 6527 | SEOA8636 | 6583 | SEOA8704 | 6639 | SEOA8772 | 6695 | SEOA8836 |
| 6472 | SEOA8576 | 6528 | SEOA8637 | 6584 | SEOA8705 | 6640 | SEOA8773 | 6696 | SEOA8837 |
| 6473 | SEOA8577 | 6529 | SEOA8638 | 6585 | SEOA8706 | 6641 | SEOA8774 | 6697 | SEOA8838 |
| 6474 | SEOA8578 | 6530 | SEOA8640 | 6586 | SEOA8707 | 6642 | SEOA8776 | 6698 | SEOA8839 |
| 6475 | SEOA8579 | 6531 | SEOA8642 | 6587 | SEOA8708 | 6643 | SEOA8777 | 6699 | SEOA8840 |
| 6476 | SEOA8580 | 6532 | SEOA8643 | 6588 | SEOA8709 | 6644 | SEOA8779 | 6700 | SEOA8841 |
| 6477 | SEOA8581 | 6533 | SEOA8644 | 6589 | SEOA8710 | 6645 | SEOA8780 | 6701 | SEOA8842 |
| 6478 | SEOA8582 | 6534 | SEOA8645 | 6590 | SEOA8712 | 6646 | SEOA8781 | 6702 | SEOA8844 |
| 6479 | SEOA8583 | 6535 | SEOA8646 | 6591 | SEOA8714 | 6647 | SEOA8782 | 6703 | SEOA8845 |
| 6480 | SEOA8584 | 6536 | SEOA8647 | 6592 | SEOA8715 | 6648 | SEOA8783 | 6704 | SEOA8846 |
| 6481 | SEOA8585 | 6537 | SEOA8648 | 6593 | SEOA8716 | 6649 | SEOA8784 | 6705 | SEOA8847 |
| 6482 | SEOA8586 | 6538 | SEOA8649 | 6594 | SEOA8719 | 6650 | SEOA8785 | 6706 | SEOA8848 |
| 6483 | SEOA8587 | 6539 | SEOA8650 | 6595 | SEOA8720 | 6651 | SEOA8786 | 6707 | SEOA8851 |
| 6484 | SEOA8588 | 6540 | SEOA8651 | 6596 | SEOA8722 | 6652 | SEOA8787 | 6708 | SEOA8852 |
| 6485 | SEOA8590 | 6541 | SEOA8652 | 6597 | SEOA8723 | 6653 | SEOA8788 | 6709 | SEOA8854 |
| 6486 | SEOA8592 | 6542 | SEOA8653 | 6598 | SEOA8724 | 6654 | SEOA8789 | 6710 | SEOA8856 |
| 6487 | SEOA8593 | 6543 | seo8654n | 6599 | SEOA8725 | 6655 | SEOA8790 | 6711 | SEOA8859 |
| 6488 | SEOA8594 | 6544 | SEOA8655 | 6600 | SEOA8727 | 6656 | SEOA8791 | 6712 | SEOA8867 |
| 6489 | SEOA8595 | 6545 | SEOA8656 | 6601 | SEOA8728 | 6657 | SEOA8792 | 6713 | SEOA8870 |
| 6490 | SEOA8597 | 6546 | SEOA8657 | 6602 | SEOA8729 | 6658 | SEOA8794 | 6714 | SEOA8873 |
| 6491 | SEOA8598 | 6547 | SEOA8658 | 6603 | SEOA8731 | 6659 | SEOA8795 | 6715 | SEOA8874 |
| 6492 | SEOA8599 | 6548 | SEOA8661 | 6604 | SEOA8733 | 6660 | SEOA8796 | 6716 | SEOA8876 |
| 6493 | SEOA8600 | 6549 | SEOA8663 | 6605 | SEOA8734 | 6661 | SEOA8797 | 6717 | SEOA8877 |
| 6494 | SEOA8601 | 6550 | SEOA8664 | 6606 | SEOA8735 | 6662 | SEOA8798 | 6718 | SEOA8878 |
| 6495 | seo8602n | 6551 | SEOA8668 | 6607 | SEOA8737 | 6663 | SEOA8799 | 6719 | SEOA8879 |
| 6496 | SEOA8603 | 6552 | SEOA8669 | 6608 | SEOA8738 | 6664 | SEOA8800 | 6720 | SEOA8880 |

Figure 6E - Continued

| | | | | | | | | | |
|------|----------|------|----------|------|----------|------|----------|------|----------|
| 6721 | SEOA8883 | 6777 | SEOA8958 | 6833 | SEOA9024 | 6889 | SEOA9108 | 6945 | seo9173 |
| 6722 | SEOA8884 | 6778 | SEOA8959 | 6834 | SEOA9025 | 6890 | SEOA9110 | 6946 | SEOA9174 |
| 6723 | SEOA8885 | 6779 | SEOA8960 | 6835 | SEOA9026 | 6891 | SEOA9111 | 6947 | SEOA9175 |
| 6724 | SEOA8890 | 6780 | SEOA8961 | 6836 | SEOA9027 | 6892 | SEOA9115 | 6948 | SEOA9176 |
| 6725 | SEOA8891 | 6781 | SEOA8962 | 6837 | seo9028n | 6893 | SEOA9117 | 6949 | SEOA9181 |
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| 6732 | SEOA8902 | 6788 | SEOA8970 | 6844 | SEOA9037 | 6900 | SEOA9124 | 6956 | SEOA9188 |
| 6733 | SEOA8903 | 6789 | SEOA8971 | 6845 | SEOA9038 | 6901 | SEOA9125 | 6957 | SEOA9190 |
| 6734 | SEOA8904 | 6790 | SEOA8972 | 6846 | SEOA9039 | 6902 | seo9127 | 6958 | SEOA9191 |
| 6735 | SEOA8905 | 6791 | SEOA8973 | 6847 | SEOA9040 | 6903 | SEOA9128 | 6959 | SEOA9192 |
| 6736 | SEOA8906 | 6792 | SEOA8974 | 6848 | SEOA9042 | 6904 | SEOA9129 | 6960 | SEOA9193 |
| 6737 | SEOA8907 | 6793 | SEOA8975 | 6849 | SEOA9046 | 6905 | SEOA9130 | 6961 | SEOA9194 |
| 6738 | SEOA8908 | 6794 | SEOA8976 | 6850 | SEOA9047 | 6906 | SEOA9131 | 6962 | SEOA9195 |
| 6739 | SEOA8909 | 6795 | SEOA8977 | 6851 | SEOA9049 | 6907 | SEOA9132 | 6963 | SEOA9196 |
| 6740 | SEOA8910 | 6796 | SEOA8978 | 6852 | SEOA9051 | 6908 | SEOA9133 | 6964 | SEOA9197 |
| 6741 | SEOA8911 | 6797 | SEOA8979 | 6853 | SEOA9060 | 6909 | SEOA9134 | 6965 | SEOA9199 |
| 6742 | SEOA8912 | 6798 | SEOA8980 | 6854 | SEOA9064 | 6910 | SEOA9135 | 6966 | SEOA9200 |
| 6743 | SEOA8913 | 6799 | SEOA8981 | 6855 | SEOA9065 | 6911 | SEOA9136 | 6967 | SEOA9201 |
| 6744 | SEOA8914 | 6800 | SEOA8982 | 6856 | SEOA9066 | 6912 | SEOA9137 | 6968 | SEOA9202 |
| 6745 | SEOA8916 | 6801 | SEOA8983 | 6857 | SEOA9067 | 6913 | SEOA9138 | 6969 | SEOA9203 |
| 6746 | SEOA8917 | 6802 | SEOA8984 | 6858 | SEOA9068 | 6914 | SEOA9139 | 6970 | SEOA9204 |
| 6747 | SEOA8918 | 6803 | SEOA8985 | 6859 | SEOA9070 | 6915 | SEOA9140 | 6971 | SEOA9205 |
| 6748 | SEOA8919 | 6804 | SEOA8986 | 6860 | SEOA9071 | 6916 | SEOA9142 | 6972 | SEOA9207 |
| 6749 | SEOA8920 | 6805 | SEOA8987 | 6861 | SEOA9072 | 6917 | SEOA9143 | 6973 | SEOA9208 |
| 6750 | SEOA8921 | 6806 | SEOA8988 | 6862 | SEOA9074 | 6918 | SEOA9145 | 6974 | SEOA9209 |
| 6751 | SEOA8922 | 6807 | SEOA8989 | 6863 | SEOA9075 | 6919 | SEOA9146 | 6975 | SEOA9210 |
| 6752 | SEOA8923 | 6808 | SEOA8990 | 6864 | SEOA9076 | 6920 | SEOA9147 | 6976 | SEOA9211 |
| 6753 | SEOA8924 | 6809 | SEOA8991 | 6865 | SEOA9078 | 6921 | SEOA9148 | 6977 | SEOA9212 |
| 6754 | SEOA8925 | 6810 | SEOA8992 | 6866 | SEOA9079 | 6922 | SEOA9149 | 6978 | SEOA9213 |
| 6755 | SEOA8926 | 6811 | SEOA8993 | 6867 | SEOA9081 | 6923 | SEOA9150 | 6979 | SEOA9214 |
| 6756 | SEOA8927 | 6812 | SEOA8996 | 6868 | SEOA9082 | 6924 | SEOA9151 | 6980 | SEOA9215 |
| 6757 | SEOA8934 | 6813 | SEOA8997 | 6869 | SEOA9083 | 6925 | SEOA9152 | 6981 | SEOA9216 |
| 6758 | SEOA8935 | 6814 | SEOA8999 | 6870 | SEOA9084 | 6926 | SEOA9153 | 6982 | SEOA9217 |
| 6759 | seo936n | 6815 | SEOA9000 | 6871 | SEOA9085 | 6927 | SEOA9154 | 6983 | SEOA9218 |
| 6760 | SEOA8938 | 6816 | SEOA9001 | 6872 | SEOA9086 | 6928 | SEOA9155 | 6984 | SEOA9219 |
| 6761 | SEOA8939 | 6817 | SEOA9003 | 6873 | SEOA9088 | 6929 | SEOA9156 | 6985 | SEOA9220 |
| 6762 | SEOA8940 | 6818 | SEOA9004 | 6874 | SEOA9089 | 6930 | SEOA9157 | 6986 | SEOA9221 |
| 6763 | SEOA8943 | 6819 | SEOA9006 | 6875 | SEOA9090 | 6931 | SEOA9158 | 6987 | SEOA9223 |
| 6764 | SEOA8944 | 6820 | SEOA9007 | 6876 | SEOA9094 | 6932 | SEOA9159 | 6988 | SEOA9224 |
| 6765 | SEOA8945 | 6821 | SEOA9010 | 6877 | SEOA9095 | 6933 | SEOA9160 | 6989 | SEOA9225 |
| 6766 | SEOA8946 | 6822 | SEOA9012 | 6878 | SEOA9096 | 6934 | SEOA9161 | 6990 | SEOA9226 |
| 6767 | SEOA8947 | 6823 | SEOA9013 | 6879 | SEOA9097 | 6935 | SEOA9162 | 6991 | SEOA9228 |
| 6768 | SEOA8948 | 6824 | SEOA9014 | 6880 | SEOA9098 | 6936 | SEOA9163 | 6992 | SEOA9229 |
| 6769 | SEOA8949 | 6825 | SEOA9015 | 6881 | SEOA9099 | 6937 | seo9164n | 6993 | SEOA9230 |
| 6770 | SEOA8950 | 6826 | SEOA9016 | 6882 | SEOA9100 | 6938 | SEOA9165 | 6994 | seo9232n |
| 6771 | SEOA8951 | 6827 | SEOA9017 | 6883 | SEOA9101 | 6939 | SEOA9167 | 6995 | SEOA9233 |
| 6772 | SEOA8952 | 6828 | SEOA9018 | 6884 | SEOA9103 | 6940 | SEOA9168 | 6996 | SEOA9234 |
| 6773 | SEOA8954 | 6829 | SEOA9020 | 6885 | SEOA9104 | 6941 | SEOA9169 | 6997 | SEOA9235 |
| 6774 | SEOA8955 | 6830 | SEOA9021 | 6886 | SEOA9105 | 6942 | SEOA9170 | 6998 | SEOA9236 |
| 6775 | SEOA8956 | 6831 | SEOA9022 | 6887 | SEOA9106 | 6943 | SEOA9171 | 6999 | SEOA9237 |
| 6776 | SEOA8957 | 6832 | SEOA9023 | 6888 | SEOA9107 | 6944 | SEOA9172 | 7000 | SEOA9240 |

Figure 6E – Continued

| | | | | | | | | | |
|------|----------|------|----------|------|----------|------|----------|------|----------|
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| 7002 | SEOA9242 | 7058 | SEOA9328 | 7114 | SEOA9399 | 7170 | SEOA9476 | 7226 | SEOA9553 |
| 7003 | seo9243n | 7059 | SEOA9331 | 7115 | SEOA9400 | 7171 | SEOA9477 | 7227 | SEOA9554 |
| 7004 | SEOA9245 | 7060 | SEOA9332 | 7116 | SEOA9401 | 7172 | SEOA9478 | 7228 | SEOA9555 |
| 7005 | SEOA9246 | 7061 | SEOA9333 | 7117 | SEOA9403 | 7173 | SEOA9479 | 7229 | SEOA9556 |
| 7006 | SEOA9247 | 7062 | SEOA9334 | 7118 | SEOA9404 | 7174 | SEOA9480 | 7230 | SEOA9557 |
| 7007 | SEOA9248 | 7063 | SEOA9335 | 7119 | SEOA9405 | 7175 | SEOA9482 | 7231 | SEOA9558 |
| 7008 | SEOA9249 | 7064 | SEOA9336 | 7120 | SEOA9406 | 7176 | SEOA9483 | 7232 | SEOA9559 |
| 7009 | SEOA9250 | 7065 | SEOA9337 | 7121 | SEOA9407 | 7177 | SEOA9484 | 7233 | SEOA9560 |
| 7010 | SEOA9251 | 7066 | SEOA9338 | 7122 | SEOA9408 | 7178 | SEOA9485 | 7234 | SEOA9561 |
| 7011 | SEOA9252 | 7067 | SEOA9339 | 7123 | SEOA9409 | 7179 | SEOA9486 | 7235 | SEOA9562 |
| 7012 | SEOA9253 | 7068 | SEOA9340 | 7124 | SEOA9414 | 7180 | SEOA9487 | 7236 | SEOA9563 |
| 7013 | SEOA9254 | 7069 | SEOA9341 | 7125 | seo9415n | 7181 | SEOA9488 | 7237 | SEOA9565 |
| 7014 | SEOA9256 | 7070 | SEOA9342 | 7126 | SEOA9416 | 7182 | SEOA9491 | 7238 | SEOA9566 |
| 7015 | SEOA9257 | 7071 | SEOA9343 | 7127 | SEOA9417 | 7183 | SEOA9492 | 7239 | SEOA9567 |
| 7016 | SEOA9258 | 7072 | SEOA9344 | 7128 | SEOA9418 | 7184 | SEOA9493 | 7240 | SEOA9568 |
| 7017 | SEOA9262 | 7073 | SEOA9345 | 7129 | SEOA9419 | 7185 | SEOA9494 | 7241 | SEOA9570 |
| 7018 | SEOA9265 | 7074 | SEOA9346 | 7130 | SEOA9420 | 7186 | SEOA9495 | 7242 | SEOA9571 |
| 7019 | SEOA9267 | 7075 | SEOA9348 | 7131 | SEOA9421 | 7187 | SEOA9499 | 7243 | SEOA9572 |
| 7020 | SEOA9268 | 7076 | SEOA9349 | 7132 | SEOA9422 | 7188 | SEOA9500 | 7244 | SEOA9573 |
| 7021 | SEOA9269 | 7077 | SEOA9350 | 7133 | SEOA9423 | 7189 | SEOA9501 | 7245 | SEOA9574 |
| 7022 | SEOA9270 | 7078 | SEOA9351 | 7134 | SEOA9424 | 7190 | SEOA9502 | 7246 | SEOA9575 |
| 7023 | SEOA9272 | 7079 | SEOA9353 | 7135 | SEOA9425 | 7191 | SEOA9503 | 7247 | SEOA9576 |
| 7024 | SEOA9273 | 7080 | SEOA9355 | 7136 | SEOA9427 | 7192 | SEOA9504 | 7248 | SEOA9577 |
| 7025 | SEOA9281 | 7081 | SEOA9356 | 7137 | SEOA9428 | 7193 | SEOA9505 | 7249 | SEOA9578 |
| 7026 | SEOA9282 | 7082 | SEOA9357 | 7138 | SEOA9429 | 7194 | SEOA9507 | 7250 | SEOA9580 |
| 7027 | SEOA9283 | 7083 | SEOA9359 | 7139 | SEOA9430 | 7195 | SEOA9508 | 7251 | SEOA9581 |
| 7028 | SEOA9284 | 7084 | SEOA9360 | 7140 | SEOA9431 | 7196 | SEOA9509 | 7252 | SEOA9582 |
| 7029 | SEOA9286 | 7085 | SEOA9361 | 7141 | SEOA9432 | 7197 | SEOA9510 | 7253 | SEOA9583 |
| 7030 | SEOA9287 | 7086 | SEOA9363 | 7142 | SEOA9433 | 7198 | SEOA9511 | 7254 | SEOA9584 |
| 7031 | SEOA9288 | 7087 | SEOA9364 | 7143 | SEOA9435 | 7199 | SEOA9512 | 7255 | SEOA9585 |
| 7032 | SEOA9289 | 7088 | SEOA9365 | 7144 | SEOA9438 | 7200 | SEOA9513 | 7256 | SEOA9586 |
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| 7035 | SEOA9295 | 7091 | SEOA9368 | 7147 | SEOA9443 | 7203 | SEOA9517 | 7259 | SEOA9590 |
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| 7037 | SEOA9297 | 7093 | SEOA9371 | 7149 | SEOA9445 | 7205 | SEOA9519 | 7261 | SEOA9592 |
| 7038 | SEOA9302 | 7094 | SEOA9372 | 7150 | SEOA9449 | 7206 | SEOA9522 | 7262 | SEOA9593 |
| 7039 | SEOA9303 | 7095 | SEOA9373 | 7151 | SEOA9451 | 7207 | SEOA9523 | 7263 | SEOA9595 |
| 7040 | SEOA9304 | 7096 | SEOA9374 | 7152 | seo9452 | 7208 | SEOA9524 | 7264 | SEOA9598 |
| 7041 | SEOA9307 | 7097 | SEOA9376 | 7153 | SEOA9453 | 7209 | SEOA9525 | 7265 | SEOA9599 |
| 7042 | SEOA9308 | 7098 | SEOA9377 | 7154 | SEOA9454 | 7210 | SEOA9526 | 7266 | SEOA9601 |
| 7043 | SEOA9311 | 7099 | SEOA9378 | 7155 | SEOA9455 | 7211 | SEOA9528 | 7267 | SEOA9603 |
| 7044 | SEOA9312 | 7100 | SEOA9379 | 7156 | SEOA9457 | 7212 | SEOA9529 | 7268 | SEOA9605 |
| 7045 | SEOA9313 | 7101 | SEOA9381 | 7157 | SEOA9458 | 7213 | SEOA9532 | 7269 | SEOA9606 |
| 7046 | SEOA9315 | 7102 | SEOA9383 | 7158 | SEOA9459 | 7214 | SEOA9534 | 7270 | SEOA9609 |
| 7047 | SEOA9316 | 7103 | SEOA9385 | 7159 | SEOA9460 | 7215 | SEOA9535 | 7271 | SEOA9610 |
| 7048 | SEOA9317 | 7104 | SEOA9387 | 7160 | SEOA9461 | 7216 | SEOA9537 | 7272 | SEOA9611 |
| 7049 | SEOA9319 | 7105 | SEOA9388 | 7161 | SEOA9462 | 7217 | SEOA9538 | 7273 | SEOA9612 |
| 7050 | SEOA9320 | 7106 | SEOA9389 | 7162 | SEOA9464 | 7218 | SEOA9539 | 7274 | SEOA9613 |
| 7051 | SEOA9321 | 7107 | SEOA9390 | 7163 | SEOA9465 | 7219 | SEOA9541 | 7275 | SEOA9614 |
| 7052 | SEOA9322 | 7108 | SEOA9391 | 7164 | SEOA9467 | 7220 | SEOA9545 | 7276 | SEOA9615 |
| 7053 | SEOA9323 | 7109 | SEOA9392 | 7165 | SEOA9469 | 7221 | SEOA9546 | 7277 | SEOA9616 |
| 7054 | SEOA9324 | 7110 | SEOA9393 | 7166 | SEOA9470 | 7222 | SEOA9547 | 7278 | SEOA9617 |
| 7055 | SEOA9325 | 7111 | SEOA9395 | 7167 | SEOA9471 | 7223 | SEOA9548 | 7279 | SEOA9618 |
| 7056 | SEOA9326 | 7112 | SEOA9397 | 7168 | SEOA9473 | 7224 | SEOA9549 | 7280 | SEOA9619 |

Figure 6E - Continued

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|------|----------|------|----------|------|----------|------|----------|------|----------|
| 7281 | SEOA9620 | 7337 | SEOA9684 | 7393 | SEOA9756 | 7449 | SEOA9823 | 7505 | SEOA9888 |
| 7282 | seo9621n | 7338 | SEOA9688 | 7394 | SEOA9757 | 7450 | SEOA9824 | 7506 | SEOA9889 |
| 7283 | SEOA9623 | 7339 | SEOA9689 | 7395 | SEOA9758 | 7451 | SEOA9825 | 7507 | SEOA9890 |
| 7284 | SEOA9624 | 7340 | SEOA9690 | 7396 | SEOA9759 | 7452 | SEOA9826 | 7508 | SEOA9891 |
| 7285 | SEOA9625 | 7341 | SEOA9691 | 7397 | SEOA9760 | 7453 | SEOA9827 | 7509 | SEOA9892 |
| 7286 | SEOA9626 | 7342 | SEOA9692 | 7398 | SEOA9761 | 7454 | SEOA9828 | 7510 | SEOA9893 |
| 7287 | SEOA9627 | 7343 | SEOA9693 | 7399 | SEOA9762 | 7455 | SEOA9829 | 7511 | SEOA9895 |
| 7288 | SEOA9628 | 7344 | SEOA9694 | 7400 | SEOA9764 | 7456 | seo9830n | 7512 | SEOA9896 |
| 7289 | SEOA9629 | 7345 | SEOA9695 | 7401 | SEOA9765 | 7457 | SEOA9831 | 7513 | SEOA9897 |
| 7290 | SEOA9630 | 7346 | SEOA9696 | 7402 | SEOA9766 | 7458 | SEOA9832 | 7514 | SEOA9898 |
| 7291 | SEOA9631 | 7347 | SEOA9697 | 7403 | SEOA9767 | 7459 | SEOA9833 | 7515 | SEOA9900 |
| 7292 | SEOA9632 | 7348 | SEOA9699 | 7404 | SEOA9768 | 7460 | SEOA9834 | 7516 | SEOA9901 |
| 7293 | SEOA9633 | 7349 | SEOA9700 | 7405 | SEOA9769 | 7461 | SEOA9835 | 7517 | SEOA9902 |
| 7294 | SEOA9634 | 7350 | SEOA9701 | 7406 | SEOA9770 | 7462 | SEOA9836 | 7518 | SEOA9905 |
| 7295 | SEOA9635 | 7351 | SEOA9702 | 7407 | SEOA9771 | 7463 | SEOA9837 | 7519 | SEOA9907 |
| 7296 | SEOA9636 | 7352 | SEOA9703 | 7408 | SEOA9772 | 7464 | SEOA9838 | 7520 | SEOA9908 |
| 7297 | SEOA9637 | 7353 | SEOA9704 | 7409 | SEOA9773 | 7465 | SEOA9839 | 7521 | SEOA9909 |
| 7298 | SEOA9638 | 7354 | SEOA9705 | 7410 | SEOA9775 | 7466 | SEOA9840 | 7522 | SEOA9910 |
| 7299 | SEOA9639 | 7355 | SEOA9706 | 7411 | SEOA9777 | 7467 | SEOA9841 | 7523 | SEOA9912 |
| 7300 | SEOA9640 | 7356 | SEOA9707 | 7412 | SEOA9778 | 7468 | SEOA9843 | 7524 | SEOA9913 |
| 7301 | SEOA9642 | 7357 | SEOA9709 | 7413 | SEOA9779 | 7469 | SEOA9844 | 7525 | SEOA9914 |
| 7302 | SEOA9643 | 7358 | SEOA9710 | 7414 | SEOA9780 | 7470 | SEOA9847 | 7526 | SEOA9915 |
| 7303 | SEOA9644 | 7359 | SEOA9711 | 7415 | SEOA9781 | 7471 | SEOA9848 | 7527 | SEOA9916 |
| 7304 | SEOA9645 | 7360 | SEOA9712 | 7416 | SEOA9783 | 7472 | SEOA9849 | 7528 | SEOA9917 |
| 7305 | SEOA9647 | 7361 | seo9715n | 7417 | SEOA9784 | 7473 | SEOA9850 | 7529 | SEOA9918 |
| 7306 | SEOA9649 | 7362 | SEOA9716 | 7418 | SEOA9785 | 7474 | SEOA9851 | 7530 | SEOA9919 |
| 7307 | SEOA9650 | 7363 | SEOA9718 | 7419 | SEOA9788 | 7475 | SEOA9852 | 7531 | SEOA9920 |
| 7308 | SEOA9651 | 7364 | SEOA9719 | 7420 | SEOA9789 | 7476 | SEOA9853 | 7532 | SEOA9921 |
| 7309 | SEOA9652 | 7365 | SEOA9720 | 7421 | SEOA9790 | 7477 | SEOA9854 | 7533 | SEOA9922 |
| 7310 | SEOA9653 | 7366 | SEOA9722 | 7422 | SEOA9791 | 7478 | SEOA9855 | 7534 | SEOA9923 |
| 7311 | SEOA9654 | 7367 | SEOA9723 | 7423 | SEOA9792 | 7479 | SEOA9856 | 7535 | SEOA9924 |
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| 7313 | SEOA9656 | 7369 | SEOA9725 | 7425 | SEOA9794 | 7481 | SEOA9861 | 7537 | SEOA9926 |
| 7314 | SEOA9657 | 7370 | SEOA9726 | 7426 | SEOA9795 | 7482 | SEOA9862 | 7538 | SEOA9927 |
| 7315 | SEOA9658 | 7371 | SEOA9728 | 7427 | SEOA9796 | 7483 | SEOA9864 | 7539 | SEOA9928 |
| 7316 | SEOA9659 | 7372 | SEOA9729 | 7428 | SEOA9797 | 7484 | SEOA9867 | 7540 | SEOA9929 |
| 7317 | SEOA9660 | 7373 | SEOA9731 | 7429 | SEOA9798 | 7485 | SEOA9868 | 7541 | SEOA9930 |
| 7318 | SEOA9661 | 7374 | SEOA9732 | 7430 | SEOA9799 | 7486 | SEOA9869 | 7542 | SEOA9931 |
| 7319 | seo9663n | 7375 | SEOA9733 | 7431 | SEOA9800 | 7487 | SEOA9870 | 7543 | SEOA9932 |
| 7320 | SEOA9664 | 7376 | SEOA9734 | 7432 | SEOA9801 | 7488 | SEOA9871 | 7544 | SEOA9933 |
| 7321 | SEOA9665 | 7377 | SEOA9735 | 7433 | SEOA9802 | 7489 | SEOA9872 | 7545 | SEOA9934 |
| 7322 | SEOA9666 | 7378 | SEOA9736 | 7434 | SEOA9803 | 7490 | SEOA9873 | 7546 | SEOA9935 |
| 7323 | SEOA9667 | 7379 | SEOA9738 | 7435 | SEOA9804 | 7491 | SEOA9874 | 7547 | SEOA9936 |
| 7324 | SEOA9668 | 7380 | SEOA9739 | 7436 | SEOA9805 | 7492 | SEOA9875 | 7548 | SEOA9937 |
| 7325 | SEOA9670 | 7381 | SEOA9740 | 7437 | SEOA9809 | 7493 | SEOA9876 | 7549 | SEOA9938 |
| 7326 | SEOA9671 | 7382 | SEOA9742 | 7438 | SEOA9810 | 7494 | SEOA9877 | 7550 | SEOA9940 |
| 7327 | SEOA9672 | 7383 | SEOA9743 | 7439 | SEOA9811 | 7495 | SEOA9878 | 7551 | SEOA9941 |
| 7328 | SEOA9673 | 7384 | SEOA9744 | 7440 | SEOA9812 | 7496 | SEOA9879 | 7552 | SEOA9943 |
| 7329 | SEOA9674 | 7385 | SEOA9747 | 7441 | SEOA9813 | 7497 | SEOA9880 | 7553 | SEOA9944 |
| 7330 | SEOA9675 | 7386 | SEOA9748 | 7442 | SEOA9814 | 7498 | SEOA9881 | 7554 | SEOA9945 |
| 7331 | SEOA9676 | 7387 | SEOA9750 | 7443 | SEOA9817 | 7499 | SEOA9882 | 7555 | SEOA9946 |
| 7332 | SEOA9678 | 7388 | SEOA9751 | 7444 | SEOA9818 | 7500 | SEOA9883 | 7556 | SEOA9947 |
| 7333 | SEOA9679 | 7389 | SEOA9752 | 7445 | SEOA9819 | 7501 | SEOA9884 | 7557 | SEOA9948 |
| 7334 | SEOA9680 | 7390 | SEOA9753 | 7446 | SEOA9820 | 7502 | SEOA9885 | 7558 | SEOA9949 |
| 7335 | SEOA9682 | 7391 | SEOA9754 | 7447 | SEOA9821 | 7503 | SEOA9886 | 7559 | SEOA9950 |
| 7336 | SEOA9683 | 7392 | SEOA9755 | 7448 | SEOA9822 | 7504 | SEOA9887 | 7560 | SEOA9951 |

Figure 6E - Continued

| | | | | | | | | | |
|------|-----------|------|-----------|------|----------|------|-----------|------|-----------|
| 7561 | SEOA9955 | 7617 | SEOB0037 | 7673 | SEOB0103 | 7729 | SEOB0168 | 7785 | SEOB0232 |
| 7562 | SEOA9956 | 7618 | SEOB0038 | 7674 | SEOB0105 | 7730 | SEOB0169 | 7786 | SEOB0233 |
| 7563 | SEOA9957 | 7619 | SEOB0039 | 7675 | SEOB0106 | 7731 | SEOB0171 | 7787 | SEOB0234 |
| 7564 | SEOA9958 | 7620 | SEOB0041 | 7676 | SEOB0107 | 7732 | SEOB0173 | 7788 | SEOB0235 |
| 7565 | SEOA9959 | 7621 | SEOB0042 | 7677 | SEOB0108 | 7733 | SEOB0174 | 7789 | SEOB0236 |
| 7566 | SEOA9977 | 7622 | SEOB0043 | 7678 | SEOB0109 | 7734 | SEOB0175 | 7790 | SEOB0237 |
| 7567 | SEOA9978 | 7623 | SEOB0044 | 7679 | SEOB0110 | 7735 | SEOB0176 | 7791 | SEOB0238 |
| 7568 | SEOA9980 | 7624 | SEOB0045 | 7680 | SEOB0111 | 7736 | seob0177 | 7792 | SEOB0239 |
| 7569 | SEOA9981 | 7625 | SEOB0046 | 7681 | SEOB0112 | 7737 | SEOB0178 | 7793 | SEOB0240 |
| 7570 | SEOA9982 | 7626 | SEOB0047 | 7682 | SEOB0113 | 7738 | SEOB0180 | 7794 | SEOB0241 |
| 7571 | SEOA9983 | 7627 | SEOB0049 | 7683 | SEOB0114 | 7739 | SEOB0182 | 7795 | SEOB0242 |
| 7572 | SEOA9984 | 7628 | SEOB0050 | 7684 | SEOB0115 | 7740 | SEOB0184 | 7796 | SEOB0243 |
| 7573 | SEOA9985 | 7629 | seob0051n | 7685 | SEOB0116 | 7741 | SEOB0185 | 7797 | SEOB0247 |
| 7574 | SEOA9986 | 7630 | SEOB0052 | 7686 | SEOB0117 | 7742 | SEOB0186 | 7798 | SEOB0248 |
| 7575 | SEOA9987 | 7631 | SEOB0055 | 7687 | SEOB0118 | 7743 | SEOB0187 | 7799 | SEOB0249 |
| 7576 | SEOA9988 | 7632 | SEOB0056 | 7688 | SEOB0119 | 7744 | SEOB0188 | 7800 | SEOB0250 |
| 7577 | SEOA9989 | 7633 | SEOB0057 | 7689 | SEOB0121 | 7745 | SEOB0189 | 7801 | SEOB0251 |
| 7578 | SEOA9990 | 7634 | SEOB0058 | 7690 | SEOB0122 | 7746 | SEOB0190 | 7802 | SEOB0253 |
| 7579 | SEOA9991 | 7635 | SEOB0059 | 7691 | SEOB0123 | 7747 | SEOB0191 | 7803 | SEOB0254 |
| 7580 | SEOA9992 | 7636 | SEOB0060 | 7692 | SEOB0124 | 7748 | SEOB0192 | 7804 | SEOB0255 |
| 7581 | SEOA9993 | 7637 | SEOB0061 | 7693 | SEOB0125 | 7749 | SEOB0193 | 7805 | SEOB0256 |
| 7582 | SEOA9995 | 7638 | SEOB0062 | 7694 | SEOB0126 | 7750 | SEOB0194 | 7806 | SEOB0257 |
| 7583 | SEOA9997 | 7639 | SEOB0063 | 7695 | SEOB0127 | 7751 | SEOB0195 | 7807 | SEOB0258 |
| 7584 | SEOA9998 | 7640 | SEOB0065 | 7696 | SEOB0128 | 7752 | SEOB0196 | 7808 | SEOB0259 |
| 7585 | SEOB0001 | 7641 | SEOB0066 | 7697 | SEOB0129 | 7753 | SEOB0198 | 7809 | SEOB0260 |
| 7586 | SEOB0002 | 7642 | SEOB0067 | 7698 | SEOB0130 | 7754 | SEOB0200 | 7810 | SEOB0261 |
| 7587 | SEOB0003 | 7643 | SEOB0068 | 7699 | SEOB0132 | 7755 | SEOB0201 | 7811 | SEOB0262 |
| 7588 | SEOB0004 | 7644 | SEOB0069 | 7700 | SEOB0133 | 7756 | SEOB0202 | 7812 | SEOB0263 |
| 7589 | SEOB0005 | 7645 | SEOB0070 | 7701 | SEOB0136 | 7757 | SEOB0203 | 7813 | SEOB0264 |
| 7590 | SEOB0006 | 7646 | SEOB0071 | 7702 | SEOB0137 | 7758 | SEOB0204 | 7814 | SEOB0265 |
| 7591 | SEOB0007 | 7647 | seob0073 | 7703 | SEOB0138 | 7759 | SEOB0205 | 7815 | SEOB0266 |
| 7592 | SEOB0008 | 7648 | SEOB0075 | 7704 | SEOB0139 | 7760 | SEOB0206 | 7816 | SEOB0267 |
| 7593 | SEOB0009 | 7649 | SEOB0076 | 7705 | SEOB0140 | 7761 | SEOB0207 | 7817 | SEOB0268 |
| 7594 | SEOB0010 | 7650 | SEOB0077 | 7706 | SEOB0141 | 7762 | seob0208n | 7818 | SEOB0269 |
| 7595 | SEOB0011 | 7651 | SEOB0079 | 7707 | SEOB0143 | 7763 | SEOB0209 | 7819 | SEOB0270 |
| 7596 | SEOB0012 | 7652 | SEOB0080 | 7708 | SEOB0144 | 7764 | SEOB0210 | 7820 | SEOB0271 |
| 7597 | SEOB0013 | 7653 | SEOB0081 | 7709 | SEOB0147 | 7765 | SEOB0211 | 7821 | SEOB0272 |
| 7598 | SEOB0014 | 7654 | SEOB0082 | 7710 | SEOB0149 | 7766 | SEOB0212 | 7822 | SEOB0273 |
| 7599 | SEOB0015 | 7655 | SEOB0084 | 7711 | SEOB0150 | 7767 | SEOB0213 | 7823 | SEOB0274 |
| 7600 | SEOB0016 | 7656 | SEOB0085 | 7712 | SEOB0151 | 7768 | SEOB0214 | 7824 | SEOB0275 |
| 7601 | SEOB0017 | 7657 | SEOB0086 | 7713 | SEOB0152 | 7769 | seob0215n | 7825 | SEOB0277 |
| 7602 | SEOB0018 | 7658 | SEOB0087 | 7714 | SEOB0153 | 7770 | SEOB0216 | 7826 | SEOB0278 |
| 7603 | SEOB0019 | 7659 | SEOB0088 | 7715 | SEOB0154 | 7771 | SEOB0218 | 7827 | SEOB0279 |
| 7604 | SEOB0020 | 7660 | SEOB0089 | 7716 | SEOB0155 | 7772 | SEOB0219 | 7828 | SEOB0281 |
| 7605 | seob0022n | 7661 | SEOB0090 | 7717 | SEOB0156 | 7773 | SEOB0220 | 7829 | SEOB0282 |
| 7606 | SEOB0023 | 7662 | SEOB0092 | 7718 | SEOB0157 | 7774 | SEOB0221 | 7830 | SEOB0283 |
| 7607 | SEOB0025 | 7663 | SEOB0093 | 7719 | SEOB0158 | 7775 | SEOB0222 | 7831 | SEOB0284 |
| 7608 | SEOB0026 | 7664 | SEOB0094 | 7720 | SEOB0159 | 7776 | SEOB0223 | 7832 | SEOB0285 |
| 7609 | SEOB0027 | 7665 | SEOB0095 | 7721 | SEOB0160 | 7777 | SEOB0224 | 7833 | SEOB0286 |
| 7610 | SEOB0029 | 7666 | SEOB0096 | 7722 | SEOB0161 | 7778 | SEOB0225 | 7834 | SEOB0287 |
| 7611 | SEOB0030 | 7667 | SEOB0097 | 7723 | SEOB0162 | 7779 | SEOB0226 | 7835 | SEOB0288 |
| 7612 | SEOB0031 | 7668 | SEOB0098 | 7724 | SEOB0163 | 7780 | SEOB0227 | 7836 | SEOB0289 |
| 7613 | SEOB0033 | 7669 | SEOB0099 | 7725 | SEOB0164 | 7781 | SEOB0228 | 7837 | seob0290n |
| 7614 | SEOB0034 | 7670 | SEOB0100 | 7726 | SEOB0165 | 7782 | SEOB0229 | 7838 | SEOB0291 |
| 7615 | SEOB0035 | 7671 | SEOB0101 | 7727 | SEOB0166 | 7783 | SEOB0230 | 7839 | SEOB0293 |
| 7616 | SEOB0036 | 7672 | SEOB0102 | 7728 | SEOB0167 | 7784 | SEOB0231 | 7840 | SEOB0294 |

Figure 6E – Continued

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| 7841 | SEOB0295 | 7897 | SEOB0367 | 7953 | SEOB0435 | 8009 | SEOB0521 | 8065 | SEOB0595 |
| 7842 | SEOB0296 | 7898 | SEOB0368 | 7954 | SEOB0437 | 8010 | SEOB0522 | 8066 | SEOB0596 |
| 7843 | SEOB0298 | 7899 | SEOB0369 | 7955 | SEOB0438 | 8011 | SEOB0523 | 8067 | SEOB0598 |
| 7844 | SEOB0299 | 7900 | SEOB0370 | 7956 | SEOB0439 | 8012 | SEOB0524 | 8068 | SEOB0599 |
| 7845 | SEOB0300 | 7901 | SEOB0371 | 7957 | SEOB0440 | 8013 | SEOB0526 | 8069 | SEOB0600 |
| 7846 | SEOB0301 | 7902 | SEOB0372 | 7958 | SEOB0441 | 8014 | SEOB0527 | 8070 | SEOB0601 |
| 7847 | SEOB0302 | 7903 | SEOB0373 | 7959 | SEOB0442 | 8015 | SEOB0528 | 8071 | SEOB0604 |
| 7848 | SEOB0303 | 7904 | SEOB0374 | 7960 | SEOB0446 | 8016 | SEOB0529 | 8072 | SEOB0605 |
| 7849 | SEOB0304 | 7905 | SEOB0375 | 7961 | SEOB0447 | 8017 | SEOB0530 | 8073 | SEOB0606 |
| 7850 | SEOB0307 | 7906 | SEOB0376 | 7962 | SEOB0449 | 8018 | SEOB0531 | 8074 | SEOB0607 |
| 7851 | SEOB0308 | 7907 | SEOB0378 | 7963 | SEOB0450 | 8019 | SEOB0532 | 8075 | SEOB0608 |
| 7852 | SEOB0309 | 7908 | SEOB0379 | 7964 | SEOB0452 | 8020 | SEOB0533 | 8076 | SEOB0609 |
| 7853 | SEOB0310 | 7909 | SEOB0380 | 7965 | SEOB0453 | 8021 | SEOB0534 | 8077 | SEOB0610 |
| 7854 | SEOB0312 | 7910 | SEOB0381 | 7966 | SEOB0456 | 8022 | SEOB0535 | 8078 | SEOB0611 |
| 7855 | SEOB0313 | 7911 | SEOB0382 | 7967 | SEOB0458 | 8023 | SEOB0536 | 8079 | SEOB0612 |
| 7856 | SEOB0314 | 7912 | SEOB0385 | 7968 | SEOB0459 | 8024 | SEOB0537 | 8080 | SEOB0615 |
| 7857 | SEOB0315 | 7913 | SEOB0386 | 7969 | SEOB0461 | 8025 | SEOB0538 | 8081 | SEOB0617 |
| 7858 | SEOB0317 | 7914 | SEOB0387 | 7970 | SEOB0462 | 8026 | SEOB0539 | 8082 | SEOB0618 |
| 7859 | SEOB0318 | 7915 | SEOB0389 | 7971 | SEOB0464 | 8027 | SEOB0540 | 8083 | SEOB0621 |
| 7860 | SEOB0319 | 7916 | SEOB0390 | 7972 | SEOB0465 | 8028 | SEOB0541 | 8084 | SEOB0622 |
| 7861 | SEOB0320 | 7917 | SEOB0392 | 7973 | SEOB0466 | 8029 | SEOB0543 | 8085 | SEOB0623 |
| 7862 | SEOB0321 | 7918 | SEOB0393 | 7974 | SEOB0467 | 8030 | SEOB0546 | 8086 | SEOB0624 |
| 7863 | SEOB0322 | 7919 | SEOB0394 | 7975 | SEOB0469 | 8031 | SEOB0547 | 8087 | SEOB0625 |
| 7864 | SEOB0323 | 7920 | SEOB0395 | 7976 | SEOB0471 | 8032 | SEOB0548 | 8088 | SEOB0627a |
| 7865 | SEOB0324 | 7921 | SEOB0396 | 7977 | SEOB0474 | 8033 | SEOB0549 | 8089 | SEOB0628a |
| 7866 | SEOB0325 | 7922 | SEOB0398 | 7978 | SEOB0475 | 8034 | SEOB0550 | 8090 | SEOB0629a |
| 7867 | SEOB0326 | 7923 | SEOB0399 | 7979 | SEOB0476 | 8035 | SEOB0551 | 8091 | SEOB0630a |
| 7868 | SEOB0328 | 7924 | SEOB0400 | 7980 | SEOB0477 | 8036 | SEOB0553 | 8092 | SEOB0631a |
| 7869 | SEOB0329 | 7925 | SEOB0402 | 7981 | SEOB0478 | 8037 | SEOB0554 | 8093 | SEOB0632a |
| 7870 | SEOB0330 | 7926 | SEOB0403 | 7982 | SEOB0482 | 8038 | SEOB0555 | 8094 | SEOB0633a |
| 7871 | seob0331n | 7927 | SEOB0404 | 7983 | SEOB0483 | 8039 | SEOB0556 | 8095 | SEOB0636a |
| 7872 | SEOB0334 | 7928 | SEOB0405 | 7984 | SEOB0484 | 8040 | SEOB0558 | 8096 | SEOB0637a |
| 7873 | SEOB0335 | 7929 | SEOB0406 | 7985 | SEOB0485 | 8041 | SEOB0559 | 8097 | SEOB0639a |
| 7874 | SEOB0336 | 7930 | SEOB0407 | 7986 | SEOB0486 | 8042 | SEOB0561 | 8098 | SEOB0641a |
| 7875 | SEOB0338 | 7931 | SEOB0408 | 7987 | SEOB0487 | 8043 | SEOB0562 | 8099 | SEOB0643a |
| 7876 | SEOB0339 | 7932 | SEOB0409 | 7988 | SEOB0490 | 8044 | SEOB0563 | 8100 | SEOB0646a |
| 7877 | SEOB0340 | 7933 | SEOB0410 | 7989 | SEOB0491 | 8045 | SEOB0564 | 8101 | SEOB0648a |
| 7878 | SEOB0342 | 7934 | SEOB0411 | 7990 | SEOB0496 | 8046 | SEOB0565 | 8102 | SEOB0649a |
| 7879 | SEOB0343 | 7935 | SEOB0412 | 7991 | SEOB0497 | 8047 | SEOB0566 | 8103 | SEOB0650a |
| 7880 | SEOB0344 | 7936 | SEOB0413 | 7992 | SEOB0499 | 8048 | SEOB0568 | 8104 | SEOB0651a |
| 7881 | SEOB0345 | 7937 | SEOB0414 | 7993 | SEOB0501 | 8049 | SEOB0569 | 8105 | seob0652an |
| 7882 | SEOB0346 | 7938 | SEOB0415 | 7994 | SEOB0502 | 8050 | SEOB0570 | 8106 | SEOB0654a |
| 7883 | SEOB0347 | 7939 | SEOB0417 | 7995 | SEOB0504 | 8051 | SEOB0571 | 8107 | SEOB0655a |
| 7884 | SEOB0349 | 7940 | SEOB0418 | 7996 | SEOB0506 | 8052 | SEOB0572 | 8108 | SEOB0656a |
| 7885 | SEOB0350 | 7941 | SEOB0419 | 7997 | SEOB0507 | 8053 | SEOB0574 | 8109 | SEOB0657a |
| 7886 | SEOB0351 | 7942 | SEOB0420 | 7998 | SEOB0508 | 8054 | SEOB0575 | 8110 | SEOB0658a |
| 7887 | SEOB0352 | 7943 | SEOB0421 | 7999 | SEOB0509 | 8055 | SEOB0577 | 8111 | SEOB0659a |
| 7888 | SEOB0353 | 7944 | SEOB0422 | 8000 | SEOB0510 | 8056 | SEOB0578 | 8112 | SEOB0660a |
| 7889 | SEOB0355 | 7945 | SEOB0423 | 8001 | SEOB0511 | 8057 | SEOB0579 | 8113 | SEOB0662a |
| 7890 | SEOB0357 | 7946 | SEOB0424 | 8002 | SEOB0512 | 8058 | SEOB0584 | 8114 | SEOB0663a |
| 7891 | SEOB0360 | 7947 | SEOB0425 | 8003 | SEOB0513 | 8059 | SEOB0585 | 8115 | SEOB0664a |
| 7892 | SEOB0361 | 7948 | SEOB0426 | 8004 | SEOB0514 | 8060 | SEOB0586 | 8116 | SEOB0665a |
| 7893 | SEOB0362 | 7949 | SEOB0429 | 8005 | SEOB0516 | 8061 | SEOB0587 | 8117 | SEOB0667a |
| 7894 | SEOB0363 | 7950 | SEOB0431 | 8006 | SEOB0517 | 8062 | SEOB0590 | 8118 | SEOB0668a |
| 7895 | SEOB0364 | 7951 | SEOB0433 | 8007 | SEOB0519 | 8063 | SEOB0592 | 8119 | seob0669a |
| 7896 | SEOB0365 | 7952 | SEOB0434 | 8008 | SEOB0520 | 8064 | SEOB0593 | 8120 | SEOB0670a |

Figure 6E - Continued

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| 8121 | SEOB0671a | 8177 | SEOB0742 | 8233 | SEOB0817 | 8289 | SEOB0885a | 8345 | SEOB0965 |
| 8122 | SEOB0672a | 8178 | SEOB0743 | 8234 | SEOB0818a | 8290 | SEOB0886a | 8346 | SEOB0967 |
| 8123 | SEOB0673a | 8179 | SEOB0745 | 8235 | SEOB0819a | 8291 | SEOB0888a | 8347 | SEOB0968 |
| 8124 | SEOB0674a | 8180 | SEOB0746 | 8236 | SEOB0820a | 8292 | SEOB0889a | 8348 | SEOB0970 |
| 8125 | SEOB0675a | 8181 | seob0747n | 8237 | SEOB0821a | 8293 | SEOB0891a | 8349 | SEOB0971 |
| 8126 | SEOB0676a | 8182 | SEOB0748 | 8238 | SEOB0823a | 8294 | SEOB0892a | 8350 | SEOB0972 |
| 8127 | SEOB0678a | 8183 | SEOB0749 | 8239 | SEOB0824a | 8295 | SEOB0893a | 8351 | SEOB0973 |
| 8128 | seob0679a | 8184 | SEOB0750 | 8240 | SEOB0825a | 8296 | SEOB0894a | 8352 | SEOB0974 |
| 8129 | SEOB0680a | 8185 | SEOB0751 | 8241 | SEOB0826a | 8297 | SEOB0895a | 8353 | SEOB0975 |
| 8130 | SEOB0681a | 8186 | SEOB0752 | 8242 | SEOB0827a | 8298 | SEOB0896a | 8354 | SEOB0976 |
| 8131 | SEOB0682a | 8187 | SEOB0753 | 8243 | SEOB0829a | 8299 | SEOB0897a | 8355 | SEOB0977 |
| 8132 | SEOB0684a | 8188 | SEOB0754 | 8244 | SEOB0830a | 8300 | SEOB0899a | 8356 | SEOB0978 |
| 8133 | SEOB0685a | 8189 | SEOB0755 | 8245 | SEOB0831a | 8301 | SEOB0900a | 8357 | SEOB0980 |
| 8134 | SEOB0688a | 8190 | SEOB0756 | 8246 | SEOB0832a | 8302 | SEOB0901a | 8358 | SEOB0983 |
| 8135 | SEOB0689a | 8191 | SEOB0757 | 8247 | SEOB0833a | 8303 | SEOB0902a | 8359 | SEOB0984 |
| 8136 | SEOB0690a | 8192 | SEOB0758 | 8248 | SEOB0834a | 8304 | SEOB0903a | 8360 | SEOB0985 |
| 8137 | SEOB0691a | 8193 | SEOB0759 | 8249 | SEOB0835a | 8305 | SEOB0904a | 8361 | SEOB0987 |
| 8138 | SEOB0692a | 8194 | SEOB0760 | 8250 | SEOB0836a | 8306 | SEOB0905a | 8362 | SEOB0989 |
| 8139 | SEOB0693a | 8195 | SEOB0761 | 8251 | SEOB0837a | 8307 | SEOB0906a | 8363 | SEOB0990 |
| 8140 | SEOB0694a | 8196 | SEOB0763 | 8252 | SEOB0840a | 8308 | SEOB0907a | 8364 | SEOB0991 |
| 8141 | SEOB0695a | 8197 | SEOB0764 | 8253 | SEOB0841a | 8309 | SEOB0908a | 8365 | SEOB0992 |
| 8142 | seob0696an | 8198 | SEOB0765 | 8254 | SEOB0842a | 8310 | SEOB0910a | 8366 | SEOB0993 |
| 8143 | SEOB0697a | 8199 | SEOB0767 | 8255 | SEOB0843a | 8311 | SEOB0911a | 8367 | SEOB0995 |
| 8144 | SEOB0698a | 8200 | SEOB0768 | 8256 | SEOB0844a | 8312 | SEOB0912a | 8368 | SEOB0999 |
| 8145 | SEOB0699a | 8201 | SEOB0770 | 8257 | SEOB0845a | 8313 | SEOB0914 | 8369 | SEOB1000 |
| 8146 | SEOB0700a | 8202 | SEOB0771 | 8258 | SEOB0846a | 8314 | SEOB0915 | 8370 | SEOB1001 |
| 8147 | SEOB0701a | 8203 | SEOB0772 | 8259 | SEOB0847a | 8315 | SEOB0916 | 8371 | SEOB1004 |
| 8148 | SEOB0702a | 8204 | SEOB0773 | 8260 | SEOB0848a | 8316 | SEOB0917 | 8372 | SEOB1007 |
| 8149 | SEOB0703a | 8205 | SEOB0774a | 8261 | SEOB0849a | 8317 | SEOB0918 | 8373 | SEOB1008 |
| 8150 | SEOB0704a | 8206 | SEOB0776a | 8262 | SEOB0850a | 8318 | SEOB0919 | 8374 | SEOB1009 |
| 8151 | SEOB0705a | 8207 | SEOB0777a | 8263 | SEOB0851a | 8319 | SEOB0921 | 8375 | SEOB1010 |
| 8152 | SEOB0706a | 8208 | SEOB0778a | 8264 | SEOB0852a | 8320 | SEOB0922 | 8376 | seob1011n |
| 8153 | SEOB0707a | 8209 | SEOB0779a | 8265 | SEOB0853a | 8321 | SEOB0923 | 8377 | SEOB1012 |
| 8154 | SEOB0708a | 8210 | SEOB0782a | 8266 | SEOB0855a | 8322 | SEOB0924 | 8378 | SEOB1013 |
| 8155 | SEOB0709a | 8211 | SEOB0783a | 8267 | SEOB0856a | 8323 | SEOB0925 | 8379 | SEOB1014 |
| 8156 | SEOB0710a | 8212 | SEOB0786a | 8268 | SEOB0857a | 8324 | SEOB0926 | 8380 | SEOB1015 |
| 8157 | SEOB0712a | 8213 | SEOB0787a | 8269 | SEOB0858a | 8325 | SEOB0927 | 8381 | SEOB1016 |
| 8158 | SEOB0713a | 8214 | SEOB0788a | 8270 | SEOB0859a | 8326 | SEOB0928 | 8382 | SEOB1017 |
| 8159 | SEOB0714a | 8215 | SEOB0789 | 8271 | SEOB0864a | 8327 | SEOB0933 | 8383 | SEOB1019 |
| 8160 | SEOB0715a | 8216 | seob0790 | 8272 | SEOB0865a | 8328 | SEOB0937 | 8384 | SEOB1020 |
| 8161 | SEOB0716a | 8217 | SEOB0791 | 8273 | SEOB0866a | 8329 | SEOB0938 | 8385 | SEOB1021 |
| 8162 | SEOB0717a | 8218 | SEOB0794 | 8274 | SEOB0867a | 8330 | SEOB0939 | 8386 | SEOB1022 |
| 8163 | SEOB0721a | 8219 | SEOB0795 | 8275 | SEOB0868a | 8331 | SEOB0941 | 8387 | SEOB1023 |
| 8164 | SEOB0723 | 8220 | SEOB0796 | 8276 | SEOB0869a | 8332 | SEOB0943 | 8388 | SEOB1024 |
| 8165 | SEOB0725 | 8221 | SEOB0797 | 8277 | SEOB0870a | 8333 | SEOB0944 | 8389 | SEOB1025 |
| 8166 | SEOB0726 | 8222 | SEOB0803 | 8278 | SEOB0871a | 8334 | SEOB0945 | 8390 | SEOB1026 |
| 8167 | SEOB0727 | 8223 | SEOB0804 | 8279 | SEOB0872a | 8335 | SEOB0949 | 8391 | seob1027n |
| 8168 | SEOB0728 | 8224 | SEOB0808a | 8280 | SEOB0874a | 8336 | SEOB0950 | 8392 | SEOB1028 |
| 8169 | SEOB0729 | 8225 | SEOB0809 | 8281 | SEOB0875a | 8337 | SEOB0952 | 8393 | SEOB1029 |
| 8170 | SEOB0731 | 8226 | SEOB0810 | 8282 | SEOB0876a | 8338 | SEOB0953 | 8394 | SEOB1030 |
| 8171 | SEOB0732 | 8227 | seob0811n | 8283 | SEOB0878a | 8339 | SEOB0954 | 8395 | SEOB1031 |
| 8172 | SEOB0733 | 8228 | SEOB0812 | 8284 | SEOB0879a | 8340 | SEOB0958 | 8396 | SEOB1032 |
| 8173 | SEOB0735 | 8229 | SEOB0813 | 8285 | SEOB0880a | 8341 | SEOB0959 | 8397 | SEOB1033 |
| 8174 | SEOB0736 | 8230 | SEOB0814 | 8286 | SEOB0882a | 8342 | SEOB0962 | 8398 | SEOB1034 |
| 8175 | SEOB0737 | 8231 | SEOB0815 | 8287 | SEOB0883a | 8343 | seob0963n | 8399 | seob1036 |
| 8176 | SEOB0739 | 8232 | seob0816n | 8288 | SEOB0884a | 8344 | SEOB0964 | 8400 | seob1037 |

Figure 6E - Continued

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| 8401 | seob1039 | 8457 | seob1128n | 8513 | SEOB1191 | 8569 | SEOB1255 | 8625 | SEOB1319 |
| 8402 | seob1040 | 8458 | SEOB1129 | 8514 | SEOB1192 | 8570 | SEOB1256 | 8626 | SEOB1321 |
| 8403 | seob1041 | 8459 | SEOB1130 | 8515 | SEOB1193 | 8571 | SEOB1257 | 8627 | SEOB1322 |
| 8404 | seob1042 | 8460 | SEOB1131 | 8516 | SEOB1194 | 8572 | SEOB1258 | 8628 | SEOB1323 |
| 8405 | seob1043 | 8461 | SEOB1132 | 8517 | SEOB1195 | 8573 | SEOB1259 | 8629 | SEOB1324 |
| 8406 | seob1044 | 8462 | SEOB1133 | 8518 | SEOB1196 | 8574 | SEOB1260 | 8630 | SEOB1325 |
| 8407 | seob1046 | 8463 | SEOB1134 | 8519 | SEOB1197 | 8575 | SEOB1261 | 8631 | SEOB1327 |
| 8408 | seob1052 | 8464 | SEOB1136 | 8520 | SEOB1198 | 8576 | SEOB1262 | 8632 | SEOB1328 |
| 8409 | seob1053 | 8465 | SEOB1137 | 8521 | SEOB1199 | 8577 | SEOB1263 | 8633 | SEOB1329 |
| 8410 | seob1054 | 8466 | SEOB1138 | 8522 | SEOB1200 | 8578 | SEOB1264 | 8634 | SEOB1330 |
| 8411 | seob1055 | 8467 | seob1139 | 8523 | SEOB1201 | 8579 | SEOB1265 | 8635 | SEOB1331 |
| 8412 | seob1057 | 8468 | SEOB1140 | 8524 | SEOB1202 | 8580 | SEOB1266 | 8636 | SEOB1332 |
| 8413 | seob1061 | 8469 | SEOB1141 | 8525 | SEOB1203 | 8581 | SEOB1267 | 8637 | SEOB1333 |
| 8414 | SEOB1064 | 8470 | SEOB1142 | 8526 | SEOB1205 | 8582 | SEOB1268 | 8638 | SEOB1334 |
| 8415 | SEOB1070 | 8471 | SEOB1143 | 8527 | SEOB1207 | 8583 | SEOB1269 | 8639 | SEOB1335 |
| 8416 | SEOB1071 | 8472 | SEOB1144 | 8528 | SEOB1208 | 8584 | SEOB1270 | 8640 | SEOB1336 |
| 8417 | SEOB1072 | 8473 | SEOB1145 | 8529 | SEOB1209 | 8585 | SEOB1271 | 8641 | SEOB1337 |
| 8418 | SEOB1073 | 8474 | SEOB1146 | 8530 | SEOB1211 | 8586 | SEOB1272 | 8642 | SEOB1339 |
| 8419 | SEOB1075 | 8475 | SEOB1147 | 8531 | SEOB1212 | 8587 | SEOB1273 | 8643 | SEOB1340 |
| 8420 | SEOB1076 | 8476 | SEOB1148 | 8532 | SEOB1213 | 8588 | SEOB1274 | 8644 | SEOB1342 |
| 8421 | SEOB1077 | 8477 | SEOB1149 | 8533 | SEOB1214 | 8589 | SEOB1275 | 8645 | SEOB1343 |
| 8422 | SEOB1078 | 8478 | SEOB1150 | 8534 | SEOB1215 | 8590 | SEOB1277 | 8646 | SEOB1344 |
| 8423 | SEOB1079 | 8479 | SEOB1151 | 8535 | SEOB1216 | 8591 | SEOB1279 | 8647 | SEOB1345 |
| 8424 | SEOB1081 | 8480 | SEOB1152 | 8536 | SEOB1218 | 8592 | SEOB1280 | 8648 | SEOB1346 |
| 8425 | SEOB1083 | 8481 | SEOB1153 | 8537 | SEOB1219 | 8593 | SEOB1282 | 8649 | seob1347n |
| 8426 | SEOB1085 | 8482 | SEOB1154 | 8538 | SEOB1220 | 8594 | SEOB1283 | 8650 | SEOB1349 |
| 8427 | SEOB1086 | 8483 | SEOB1155 | 8539 | SEOB1221 | 8595 | SEOB1284 | 8651 | SEOB1350 |
| 8428 | SEOB1088 | 8484 | SEOB1156 | 8540 | SEOB1223 | 8596 | SEOB1285 | 8652 | SEOB1351 |
| 8429 | SEOB1090 | 8485 | SEOB1157 | 8541 | SEOB1224 | 8597 | SEOB1286 | 8653 | SEOB1352 |
| 8430 | SEOB1091 | 8486 | SEOB1158 | 8542 | SEOB1225 | 8598 | SEOB1287 | 8654 | SEOB1353 |
| 8431 | SEOB1093 | 8487 | SEOB1160 | 8543 | SEOB1226 | 8599 | SEOB1288 | 8655 | SEOB1354 |
| 8432 | SEOB1094 | 8488 | SEOB1161 | 8544 | SEOB1227 | 8600 | SEOB1289 | 8656 | SEOB1355 |
| 8433 | SEOB1095 | 8489 | SEOB1162 | 8545 | SEOB1228 | 8601 | SEOB1290 | 8657 | SEOB1356 |
| 8434 | SEOB1098 | 8490 | SEOB1164 | 8546 | SEOB1229 | 8602 | SEOB1291 | 8658 | SEOB1357 |
| 8435 | SEOB1099 | 8491 | SEOB1165 | 8547 | SEOB1230 | 8603 | SEOB1292 | 8659 | SEOB1358 |
| 8436 | SEOB1100 | 8492 | SEOB1166 | 8548 | SEOB1231 | 8604 | SEOB1293 | 8660 | seob1359n |
| 8437 | SEOB1102 | 8493 | SEOB1167 | 8549 | SEOB1232 | 8605 | SEOB1294 | 8661 | SEOB1360 |
| 8438 | SEOB1103 | 8494 | SEOB1168 | 8550 | SEOB1233 | 8606 | SEOB1295 | 8662 | SEOB1362 |
| 8439 | SEOB1107 | 8495 | SEOB1170 | 8551 | SEOB1234 | 8607 | SEOB1296 | 8663 | SEOB1363 |
| 8440 | SEOB1109 | 8496 | SEOB1171 | 8552 | SEOB1236 | 8608 | SEOB1297 | 8664 | SEOB1364 |
| 8441 | SEOB1110 | 8497 | SEOB1172 | 8553 | SEOB1237 | 8609 | SEOB1298 | 8665 | SEOB1365 |
| 8442 | SEOB1111 | 8498 | SEOB1173 | 8554 | SEOB1238 | 8610 | SEOB1300 | 8666 | SEOB1366 |
| 8443 | SEOB1112 | 8499 | SEOB1174 | 8555 | SEOB1240 | 8611 | seob1301n | 8667 | SEOB1367 |
| 8444 | SEOB1113 | 8500 | SEOB1175 | 8556 | SEOB1241 | 8612 | SEOB1302 | 8668 | SEOB1368 |
| 8445 | SEOB1114 | 8501 | SEOB1176 | 8557 | SEOB1242 | 8613 | SEOB1303 | 8669 | SEOB1370 |
| 8446 | SEOB1116 | 8502 | SEOB1180 | 8558 | SEOB1243 | 8614 | SEOB1305 | 8670 | SEOB1371 |
| 8447 | SEOB1117 | 8503 | SEOB1181 | 8559 | SEOB1244 | 8615 | SEOB1306 | 8671 | SEOB1372 |
| 8448 | SEOB1118 | 8504 | SEOB1182 | 8560 | SEOB1246 | 8616 | SEOB1307 | 8672 | seob1373n |
| 8449 | SEOB1119 | 8505 | SEOB1183 | 8561 | SEOB1247 | 8617 | SEOB1310 | 8673 | SEOB1374 |
| 8450 | SEOB1120 | 8506 | SEOB1184 | 8562 | SEOB1248 | 8618 | SEOB1311 | 8674 | seob1378 |
| 8451 | SEOB1121 | 8507 | SEOB1185 | 8563 | SEOB1249 | 8619 | SEOB1312 | 8675 | SEOB1380 |
| 8452 | SEOB1123 | 8508 | SEOB1186 | 8564 | SEOB1250 | 8620 | SEOB1313 | 8676 | SEOB1381 |
| 8453 | SEOB1124 | 8509 | SEOB1187 | 8565 | SEOB1251 | 8621 | SEOB1314 | 8677 | SEOB1382 |
| 8454 | SEOB1125 | 8510 | SEOB1188 | 8566 | SEOB1252 | 8622 | SEOB1315 | 8678 | SEOB1383 |
| 8455 | SEOB1126 | 8511 | SEOB1189 | 8567 | SEOB1253 | 8623 | SEOB1316 | 8679 | SEOB1384 |
| 8456 | SEOB1127 | 8512 | SEOB1190 | 8568 | SEOB1254 | 8624 | SEOB1318 | 8680 | SEOB1385 |

Figure 6E – Continued

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|------|-----------|------|----------|------|-----------|------|----------|------|-----------|
| 8681 | SEOB1386 | 8737 | SEOB1453 | 8793 | SEOB1530 | 8849 | SEOB1596 | 8905 | SEOB1656 |
| 8682 | SEOB1387 | 8738 | SEOB1454 | 8794 | SEOB1532 | 8850 | SEOB1597 | 8906 | seob1657 |
| 8683 | seob1389n | 8739 | SEOB1455 | 8795 | SEOB1533 | 8851 | SEOB1598 | 8907 | SEOB1659 |
| 8684 | SEOB1391 | 8740 | SEOB1456 | 8796 | SEOB1534 | 8852 | SEOB1599 | 8908 | SEOB1660 |
| 8685 | SEOB1392 | 8741 | SEOB1457 | 8797 | SEOB1535 | 8853 | SEOB1600 | 8909 | SEOB1661 |
| 8686 | SEOB1393 | 8742 | SEOB1458 | 8798 | SEOB1536 | 8854 | SEOB1602 | 8910 | SEOB1662 |
| 8687 | SEOB1394 | 8743 | SEOB1459 | 8799 | SEOB1537 | 8855 | SEOB1603 | 8911 | SEOB1663 |
| 8688 | SEOB1395 | 8744 | SEOB1461 | 8800 | SEOB1538 | 8856 | SEOB1604 | 8912 | SEOB1664 |
| 8689 | SEOB1396 | 8745 | SEOB1462 | 8801 | SEOB1540 | 8857 | SEOB1605 | 8913 | SEOB1665 |
| 8690 | SEOB1397 | 8746 | SEOB1463 | 8802 | SEOB1541 | 8858 | SEOB1606 | 8914 | SEOB1666 |
| 8691 | SEOB1398 | 8747 | SEOB1464 | 8803 | SEOB1542 | 8859 | SEOB1608 | 8915 | seob1667n |
| 8692 | SEOB1399 | 8748 | SEOB1465 | 8804 | SEOB1543 | 8860 | SEOB1609 | 8916 | SEOB1668 |
| 8693 | SEOB1400 | 8749 | SEOB1466 | 8805 | SEOB1544 | 8861 | SEOB1610 | 8917 | SEOB1669 |
| 8694 | SEOB1401 | 8750 | SEOB1467 | 8806 | SEOB1546 | 8862 | SEOB1611 | 8918 | SEOB1671 |
| 8695 | SEOB1402 | 8751 | SEOB1468 | 8807 | SEOB1547 | 8863 | SEOB1612 | 8919 | SEOB1672 |
| 8696 | SEOB1403 | 8752 | SEOB1469 | 8808 | SEOB1549 | 8864 | SEOB1613 | 8920 | SEOB1673 |
| 8697 | SEOB1405 | 8753 | SEOB1470 | 8809 | SEOB1551 | 8865 | SEOB1614 | 8921 | SEOB1674 |
| 8698 | SEOB1406 | 8754 | SEOB1471 | 8810 | SEOB1552 | 8866 | SEOB1615 | 8922 | SEOB1675 |
| 8699 | SEOB1407 | 8755 | SEOB1472 | 8811 | SEOB1553 | 8867 | SEOB1616 | 8923 | SEOB1676 |
| 8700 | SEOB1408 | 8756 | SEOB1473 | 8812 | SEOB1554 | 8868 | SEOB1617 | 8924 | SEOB1677 |
| 8701 | SEOB1409 | 8757 | SEOB1474 | 8813 | SEOB1555 | 8869 | SEOB1618 | 8925 | SEOB1678 |
| 8702 | SEOB1410 | 8758 | SEOB1475 | 8814 | SEOB1556 | 8870 | SEOB1619 | 8926 | seob1679n |
| 8703 | SEOB1411 | 8759 | SEOB1476 | 8815 | seob1557n | 8871 | SEOB1620 | 8927 | SEOB1680 |
| 8704 | SEOB1412 | 8760 | SEOB1490 | 8816 | SEOB1558 | 8872 | SEOB1622 | 8928 | SEOB1681 |
| 8705 | SEOB1413 | 8761 | SEOB1491 | 8817 | SEOB1560 | 8873 | SEOB1623 | 8929 | SEOB1682 |
| 8706 | SEOB1414 | 8762 | SEOB1493 | 8818 | SEOB1561 | 8874 | SEOB1624 | 8930 | SEOB1683 |
| 8707 | SEOB1416 | 8763 | SEOB1494 | 8819 | SEOB1562 | 8875 | SEOB1625 | 8931 | SEOB1684 |
| 8708 | SEOB1417 | 8764 | SEOB1495 | 8820 | SEOB1564 | 8876 | SEOB1626 | 8932 | SEOB1685 |
| 8709 | SEOB1418 | 8765 | SEOB1496 | 8821 | SEOB1565 | 8877 | SEOB1627 | 8933 | SEOB1686 |
| 8710 | SEOB1419 | 8766 | SEOB1497 | 8822 | SEOB1566 | 8878 | SEOB1628 | 8934 | SEOB1689 |
| 8711 | SEOB1420 | 8767 | SEOB1499 | 8823 | SEOB1567 | 8879 | SEOB1629 | 8935 | SEOB1690 |
| 8712 | SEOB1422 | 8768 | SEOB1500 | 8824 | SEOB1568 | 8880 | SEOB1630 | 8936 | SEOB1691 |
| 8713 | SEOB1423 | 8769 | SEOB1501 | 8825 | SEOB1570 | 8881 | SEOB1631 | 8937 | SEOB1692 |
| 8714 | SEOB1424 | 8770 | SEOB1502 | 8826 | SEOB1571 | 8882 | SEOB1632 | 8938 | SEOB1696 |
| 8715 | SEOB1426 | 8771 | SEOB1503 | 8827 | SEOB1572 | 8883 | SEOB1633 | 8939 | SEOB1697 |
| 8716 | SEOB1428 | 8772 | SEOB1504 | 8828 | SEOB1573 | 8884 | SEOB1634 | 8940 | SEOB1698 |
| 8717 | SEOB1430 | 8773 | SEOB1505 | 8829 | SEOB1574 | 8885 | SEOB1635 | 8941 | SEOB1700 |
| 8718 | SEOB1431 | 8774 | SEOB1506 | 8830 | SEOB1575 | 8886 | SEOB1636 | 8942 | seob1701n |
| 8719 | SEOB1432 | 8775 | SEOB1507 | 8831 | SEOB1576 | 8887 | SEOB1637 | 8943 | SEOB1702 |
| 8720 | SEOB1433 | 8776 | SEOB1508 | 8832 | SEOB1577 | 8888 | SEOB1638 | 8944 | SEOB1703 |
| 8721 | SEOB1434 | 8777 | SEOB1510 | 8833 | SEOB1578 | 8889 | SEOB1639 | 8945 | SEOB1704 |
| 8722 | SEOB1435 | 8778 | SEOB1512 | 8834 | SEOB1579 | 8890 | SEOB1640 | 8946 | SEOB1705 |
| 8723 | SEOB1437 | 8779 | SEOB1513 | 8835 | SEOB1581 | 8891 | SEOB1641 | 8947 | SEOB1706 |
| 8724 | SEOB1438 | 8780 | SEOB1514 | 8836 | SEOB1582 | 8892 | SEOB1642 | 8948 | SEOB1707 |
| 8725 | SEOB1439 | 8781 | SEOB1516 | 8837 | SEOB1583 | 8893 | SEOB1643 | 8949 | SEOB1708 |
| 8726 | SEOB1440 | 8782 | SEOB1517 | 8838 | SEOB1584 | 8894 | SEOB1644 | 8950 | SEOB1709 |
| 8727 | SEOB1441 | 8783 | SEOB1518 | 8839 | SEOB1586 | 8895 | SEOB1645 | 8951 | SEOB1710 |
| 8728 | SEOB1442 | 8784 | SEOB1520 | 8840 | SEOB1587 | 8896 | SEOB1646 | 8952 | SEOB1711 |
| 8729 | SEOB1443 | 8785 | SEOB1521 | 8841 | SEOB1588 | 8897 | SEOB1647 | 8953 | SEOB1712 |
| 8730 | SEOB1445 | 8786 | SEOB1522 | 8842 | SEOB1589 | 8898 | SEOB1648 | 8954 | SEOB1714 |
| 8731 | SEOB1447 | 8787 | SEOB1523 | 8843 | SEOB1590 | 8899 | SEOB1649 | 8955 | SEOB1715 |
| 8732 | SEOB1448 | 8788 | SEOB1525 | 8844 | SEOB1591 | 8900 | SEOB1650 | 8956 | SEOB1716 |
| 8733 | SEOB1449 | 8789 | SEOB1526 | 8845 | SEOB1592 | 8901 | SEOB1652 | 8957 | SEOB1717 |
| 8734 | SEOB1450 | 8790 | SEOB1527 | 8846 | SEOB1593 | 8902 | SEOB1653 | 8958 | SEOB1718 |
| 8735 | SEOB1451 | 8791 | SEOB1528 | 8847 | SEOB1594 | 8903 | SEOB1654 | 8959 | SEOB1719 |
| 8736 | SEOB1452 | 8792 | SEOB1529 | 8848 | SEOB1595 | 8904 | SEOB1655 | 8960 | SEOB1720 |

Figure 6E - Continued

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|------|----------|------|-----------|------|----------|------|-----------|------|----------|
| 8961 | SEOB1721 | 9017 | SEOB1784 | 9073 | SEOB1849 | 9129 | SEOB1918 | 9185 | SEOB1986 |
| 8962 | SEOB1722 | 9018 | SEOB1785 | 9074 | SEOB1850 | 9130 | SEOB1920 | 9186 | SEOB1987 |
| 8963 | SEOB1723 | 9019 | SEOB1786 | 9075 | SEOB1851 | 9131 | SEOB1921 | 9187 | SEOB1988 |
| 8964 | SEOB1724 | 9020 | SEOB1787 | 9076 | SEOB1852 | 9132 | SEOB1922 | 9188 | SEOB1991 |
| 8965 | SEOB1725 | 9021 | SEOB1788 | 9077 | SEOB1853 | 9133 | SEOB1923 | 9189 | SEOB1992 |
| 8966 | SEOB1726 | 9022 | SEOB1789 | 9078 | SEOB1854 | 9134 | SEOB1924 | 9190 | SEOB1993 |
| 8967 | SEOB1727 | 9023 | SEOB1790 | 9079 | SEOB1855 | 9135 | SEOB1926 | 9191 | SEOB1994 |
| 8968 | SEOB1728 | 9024 | SEOB1792 | 9080 | SEOB1856 | 9136 | SEOB1928 | 9192 | SEOB1996 |
| 8969 | SEOB1730 | 9025 | SEOB1793 | 9081 | SEOB1857 | 9137 | SEOB1929 | 9193 | SEOB1997 |
| 8970 | SEOB1731 | 9026 | SEOB1794 | 9082 | SEOB1858 | 9138 | SEOB1930 | 9194 | SEOB1998 |
| 8971 | SEOB1732 | 9027 | SEOB1795 | 9083 | SEOB1859 | 9139 | SEOB1931 | 9195 | SEOB1999 |
| 8972 | SEOB1733 | 9028 | SEOB1796 | 9084 | SEOB1860 | 9140 | SEOB1932 | 9196 | SEOB2001 |
| 8973 | SEOB1734 | 9029 | SEOB1797 | 9085 | SEOB1862 | 9141 | SEOB1933 | 9197 | SEOB2002 |
| 8974 | SEOB1735 | 9030 | seob1798 | 9086 | SEOB1864 | 9142 | SEOB1934 | 9198 | SEOB2004 |
| 8975 | SEOB1736 | 9031 | seob1799 | 9087 | SEOB1865 | 9143 | SEOB1935 | 9199 | SEOB2005 |
| 8976 | SEOB1737 | 9032 | seob1800n | 9088 | SEOB1866 | 9144 | SEOB1936 | 9200 | SEOB2006 |
| 8977 | SEOB1738 | 9033 | SEOB1801 | 9089 | SEOB1867 | 9145 | SEOB1937 | 9201 | SEOB2007 |
| 8978 | SEOB1739 | 9034 | SEOB1804 | 9090 | SEOB1868 | 9146 | SEOB1938 | 9202 | SEOB2008 |
| 8979 | SEOB1740 | 9035 | seob1805n | 9091 | SEOB1869 | 9147 | SEOB1939 | 9203 | SEOB2009 |
| 8980 | SEOB1741 | 9036 | SEOB1807 | 9092 | SEOB1870 | 9148 | SEOB1940 | 9204 | SEOB2010 |
| 8981 | SEOB1742 | 9037 | SEOB1808 | 9093 | SEOB1871 | 9149 | SEOB1941 | 9205 | SEOB2011 |
| 8982 | SEOB1743 | 9038 | SEOB1809 | 9094 | SEOB1873 | 9150 | seob1942n | 9206 | SEOB2015 |
| 8983 | SEOB1744 | 9039 | SEOB1810 | 9095 | SEOB1874 | 9151 | SEOB1943 | 9207 | SEOB2016 |
| 8984 | SEOB1745 | 9040 | SEOB1811 | 9096 | SEOB1876 | 9152 | SEOB1944 | 9208 | SEOB2019 |
| 8985 | SEOB1746 | 9041 | SEOB1812 | 9097 | SEOB1877 | 9153 | SEOB1945 | 9209 | SEOB2022 |
| 8986 | SEOB1748 | 9042 | SEOB1814 | 9098 | SEOB1878 | 9154 | SEOB1946 | 9210 | SEOB2023 |
| 8987 | SEOB1749 | 9043 | SEOB1815 | 9099 | SEOB1879 | 9155 | SEOB1947 | 9211 | SEOB2024 |
| 8988 | SEOB1750 | 9044 | SEOB1817 | 9100 | SEOB1881 | 9156 | SEOB1948 | 9212 | SEOB2025 |
| 8989 | SEOB1752 | 9045 | SEOB1818 | 9101 | SEOB1882 | 9157 | SEOB1949 | 9213 | SEOB2026 |
| 8990 | SEOB1753 | 9046 | SEOB1819 | 9102 | SEOB1883 | 9158 | SEOB1951 | 9214 | SEOB2027 |
| 8991 | SEOB1754 | 9047 | SEOB1821 | 9103 | SEOB1884 | 9159 | SEOB1952 | 9215 | SEOB2028 |
| 8992 | SEOB1755 | 9048 | SEOB1822 | 9104 | SEOB1886 | 9160 | SEOB1953 | 9216 | SEOB2029 |
| 8993 | SEOB1756 | 9049 | SEOB1823 | 9105 | SEOB1887 | 9161 | SEOB1954 | 9217 | SEOB2030 |
| 8994 | SEOB1757 | 9050 | SEOB1824 | 9106 | SEOB1889 | 9162 | SEOB1955 | 9218 | SEOB2031 |
| 8995 | SEOB1758 | 9051 | SEOB1825 | 9107 | SEOB1890 | 9163 | SEOB1956 | 9219 | SEOB2032 |
| 8996 | SEOB1759 | 9052 | SEOB1826 | 9108 | SEOB1891 | 9164 | SEOB1958 | 9220 | SEOB2033 |
| 8997 | SEOB1762 | 9053 | SEOB1827 | 9109 | SEOB1892 | 9165 | SEOB1960 | 9221 | SEOB2034 |
| 8998 | SEOB1763 | 9054 | SEOB1828 | 9110 | SEOB1893 | 9166 | SEOB1961 | 9222 | SEOB2038 |
| 8999 | SEOB1764 | 9055 | SEOB1829 | 9111 | SEOB1894 | 9167 | SEOB1963 | 9223 | SEOB2039 |
| 9000 | SEOB1766 | 9056 | SEOB1831 | 9112 | SEOB1895 | 9168 | SEOB1964 | 9224 | SEOB2041 |
| 9001 | SEOB1767 | 9057 | SEOB1833 | 9113 | SEOB1897 | 9169 | SEOB1965 | 9225 | SEOB2042 |
| 9002 | SEOB1768 | 9058 | SEOB1834 | 9114 | SEOB1898 | 9170 | SEOB1966 | 9226 | SEOB2043 |
| 9003 | SEOB1769 | 9059 | SEOB1835 | 9115 | SEOB1899 | 9171 | SEOB1967 | 9227 | SEOB2044 |
| 9004 | SEOB1770 | 9060 | SEOB1836 | 9116 | SEOB1900 | 9172 | SEOB1968 | 9228 | SEOB2045 |
| 9005 | SEOB1771 | 9061 | SEOB1837 | 9117 | SEOB1902 | 9173 | SEOB1971 | 9229 | SEOB2046 |
| 9006 | SEOB1772 | 9062 | SEOB1838 | 9118 | SEOB1903 | 9174 | SEOB1972 | 9230 | SEOB2047 |
| 9007 | SEOB1773 | 9063 | SEOB1839 | 9119 | SEOB1904 | 9175 | SEOB1974 | 9231 | SEOB2048 |
| 9008 | SEOB1774 | 9064 | SEOB1840 | 9120 | SEOB1906 | 9176 | SEOB1976 | 9232 | SEOB2049 |
| 9009 | SEOB1775 | 9065 | SEOB1841 | 9121 | SEOB1907 | 9177 | SEOB1977 | 9233 | SEOB2050 |
| 9010 | SEOB1776 | 9066 | SEOB1842 | 9122 | SEOB1908 | 9178 | SEOB1978 | 9234 | SEOB2051 |
| 9011 | SEOB1777 | 9067 | SEOB1843 | 9123 | SEOB1909 | 9179 | SEOB1979 | 9235 | SEOB2052 |
| 9012 | SEOB1778 | 9068 | SEOB1844 | 9124 | SEOB1910 | 9180 | SEOB1980 | 9236 | SEOB2053 |
| 9013 | SEOB1780 | 9069 | SEOB1845 | 9125 | SEOB1911 | 9181 | SEOB1981 | 9237 | SEOB2054 |
| 9014 | SEOB1781 | 9070 | SEOB1846 | 9126 | SEOB1915 | 9182 | SEOB1982 | 9238 | SEOB2055 |
| 9015 | SEOB1782 | 9071 | SEOB1847 | 9127 | SEOB1916 | 9183 | SEOB1984 | 9239 | SEOB2056 |
| 9016 | SEOB1783 | 9072 | SEOB1848 | 9128 | SEOB1917 | 9184 | SEOB1985 | 9240 | SEOB2057 |

Figure 6E – Continued

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|------|-----------|------|-----------|------|-----------|------|----------|------|----------|
| 9241 | SEOB2058 | 9297 | SEOB2128 | 9353 | SEOB2204 | 9409 | SEOB2270 | 9465 | seob2538 |
| 9242 | SEOB2059 | 9298 | SEOB2129 | 9354 | SEOB2205 | 9410 | SEOB2271 | 9466 | seob2539 |
| 9243 | SEOB2060 | 9299 | SEOB2130 | 9355 | SEOB2206 | 9411 | SEOB2273 | 9467 | seob2540 |
| 9244 | SEOB2062 | 9300 | SEOB2131 | 9356 | SEOB2208 | 9412 | SEOB2275 | 9468 | seob2541 |
| 9245 | SEOB2064 | 9301 | SEOB2132 | 9357 | SEOB2209 | 9413 | SEOB2276 | 9469 | seob2543 |
| 9246 | SEOB2065 | 9302 | SEOB2134 | 9358 | SEOB2210 | 9414 | SEOB2277 | 9470 | seob2544 |
| 9247 | SEOB2067 | 9303 | SEOB2138 | 9359 | SEOB2211 | 9415 | SEOB2280 | 9471 | seob2545 |
| 9248 | SEOB2069 | 9304 | SEOB2139 | 9360 | SEOB2212 | 9416 | SEOB2282 | 9472 | seob2546 |
| 9249 | SEOB2070 | 9305 | SEOB2141 | 9361 | SEOB2213 | 9417 | SEOB2283 | 9473 | seob2547 |
| 9250 | SEOB2071 | 9306 | seob2144n | 9362 | SEOB2214 | 9418 | SEOB2284 | 9474 | seob2548 |
| 9251 | SEOB2074 | 9307 | SEOB2145 | 9363 | SEOB2215 | 9419 | SEOB2286 | 9475 | seob2549 |
| 9252 | SEOB2076 | 9308 | SEOB2146 | 9364 | SEOB2216 | 9420 | SEOB2287 | 9476 | seob2551 |
| 9253 | SEOB2077 | 9309 | SEOB2147 | 9365 | SEOB2217 | 9421 | SEOB2288 | 9477 | seob2553 |
| 9254 | SEOB2078 | 9310 | SEOB2148 | 9366 | SEOB2218 | 9422 | SEOB2290 | 9478 | seob2554 |
| 9255 | SEOB2079 | 9311 | SEOB2149 | 9367 | SEOB2219 | 9423 | SEOB2291 | 9479 | seob2555 |
| 9256 | SEOB2080 | 9312 | SEOB2150 | 9368 | SEOB2220 | 9424 | SEOB2292 | 9480 | seob2556 |
| 9257 | SEOB2081 | 9313 | SEOB2151 | 9369 | SEOB2221 | 9425 | SEOB2293 | 9481 | seob2557 |
| 9258 | SEOB2082 | 9314 | SEOB2152 | 9370 | SEOB2223 | 9426 | SEOB2294 | 9482 | seob2559 |
| 9259 | SEOB2083 | 9315 | SEOB2153 | 9371 | SEOB2224 | 9427 | SEOB2295 | 9483 | seob2560 |
| 9260 | SEOB2084 | 9316 | SEOB2154 | 9372 | SEOB2225 | 9428 | seob2297 | 9484 | seob2563 |
| 9261 | SEOB2085 | 9317 | SEOB2155 | 9373 | SEOB2226 | 9429 | seob2299 | 9485 | seob2564 |
| 9262 | SEOB2086 | 9318 | SEOB2156 | 9374 | SEOB2228 | 9430 | seob2300 | 9486 | seob2566 |
| 9263 | SEOB2087 | 9319 | SEOB2157 | 9375 | SEOB2229 | 9431 | seob2301 | 9487 | seob2567 |
| 9264 | SEOB2088 | 9320 | SEOB2158 | 9376 | SEOB2230 | 9432 | seob2302 | 9488 | seob2568 |
| 9265 | SEOB2089 | 9321 | SEOB2159 | 9377 | SEOB2232 | 9433 | seob2303 | 9489 | seob2569 |
| 9266 | SEOB2090 | 9322 | SEOB2160 | 9378 | SEOB2234 | 9434 | seob2304 | 9490 | seob2570 |
| 9267 | seob2091n | 9323 | SEOB2161 | 9379 | SEOB2235 | 9435 | seob2306 | 9491 | seob2572 |
| 9268 | SEOB2092 | 9324 | SEOB2163 | 9380 | SEOB2238 | 9436 | seob2307 | 9492 | seob2573 |
| 9269 | SEOB2094 | 9325 | SEOB2165 | 9381 | SEOB2239 | 9437 | seob2308 | 9493 | seob2574 |
| 9270 | SEOB2096 | 9326 | seob2167n | 9382 | SEOB2240 | 9438 | seob2309 | 9494 | seob2575 |
| 9271 | SEOB2098 | 9327 | SEOB2168 | 9383 | SEOB2241 | 9439 | seob2310 | 9495 | seob2579 |
| 9272 | SEOB2100 | 9328 | SEOB2169 | 9384 | SEOB2242 | 9440 | seob2311 | 9496 | seob2582 |
| 9273 | SEOB2101 | 9329 | SEOB2171 | 9385 | SEOB2243 | 9441 | seob2312 | 9497 | seob2585 |
| 9274 | SEOB2102 | 9330 | SEOB2173 | 9386 | SEOB2245 | 9442 | seob2314 | 9498 | seob2587 |
| 9275 | SEOB2103 | 9331 | SEOB2176 | 9387 | SEOB2246 | 9443 | seob2315 | 9499 | seob2588 |
| 9276 | SEOB2104 | 9332 | SEOB2178 | 9388 | SEOB2247 | 9444 | seob2316 | 9500 | seob2589 |
| 9277 | SEOB2105 | 9333 | SEOB2179 | 9389 | seob2248n | 9445 | seob2317 | 9501 | seob2590 |
| 9278 | SEOB2106 | 9334 | SEOB2180 | 9390 | SEOB2249 | 9446 | seob2321 | 9502 | seob2592 |
| 9279 | SEOB2107 | 9335 | SEOB2181 | 9391 | SEOB2252 | 9447 | seob2322 | 9503 | seob2593 |
| 9280 | SEOB2108 | 9336 | SEOB2184 | 9392 | SEOB2253 | 9448 | seob2325 | 9504 | seob2594 |
| 9281 | SEOB2109 | 9337 | SEOB2185 | 9393 | SEOB2254 | 9449 | seob2327 | 9505 | seob2595 |
| 9282 | SEOB2110 | 9338 | SEOB2187 | 9394 | SEOB2255 | 9450 | seob2328 | 9506 | seob2597 |
| 9283 | SEOB2111 | 9339 | SEOB2188 | 9395 | SEOB2256 | 9451 | seob2329 | 9507 | seob2599 |
| 9284 | SEOB2112 | 9340 | SEOB2189 | 9396 | SEOB2257 | 9452 | seob2330 | 9508 | seob2600 |
| 9285 | SEOB2113 | 9341 | SEOB2190 | 9397 | SEOB2258 | 9453 | seob2331 | 9509 | seob2601 |
| 9286 | SEOB2114 | 9342 | SEOB2192 | 9398 | SEOB2259 | 9454 | seob2333 | 9510 | seob2604 |
| 9287 | SEOB2115 | 9343 | SEOB2193 | 9399 | SEOB2260 | 9455 | seob2334 | 9511 | seob2605 |
| 9288 | SEOB2116 | 9344 | SEOB2194 | 9400 | SEOB2261 | 9456 | seob2335 | 9512 | seob2607 |
| 9289 | SEOB2118 | 9345 | SEOB2195 | 9401 | SEOB2262 | 9457 | seob2336 | 9513 | seob2608 |
| 9290 | SEOB2119 | 9346 | SEOB2196 | 9402 | SEOB2263 | 9458 | seob2337 | 9514 | seob2610 |
| 9291 | SEOB2120 | 9347 | SEOB2197 | 9403 | SEOB2264 | 9459 | seob2530 | 9515 | seob2611 |
| 9292 | SEOB2121 | 9348 | SEOB2198 | 9404 | SEOB2265 | 9460 | seob2531 | 9516 | seob2612 |
| 9293 | SEOB2122 | 9349 | SEOB2199 | 9405 | SEOB2266 | 9461 | seob2534 | 9517 | seob2613 |
| 9294 | SEOB2123 | 9350 | SEOB2200 | 9406 | SEOB2267 | 9462 | seob2535 | 9518 | seob2614 |
| 9295 | SEOB2125 | 9351 | SEOB2201 | 9407 | SEOB2268 | 9463 | seob2536 | 9519 | seob2616 |
| 9296 | SEOB2126 | 9352 | seob2202n | 9408 | SEOB2269 | 9464 | seob2537 | 9520 | seob2619 |

Figure 6E - Continued

| | | | | | | | | | |
|------|-----------|------|----------|------|----------|------|-----------|------|-----------|
| 9521 | seob2620 | 9577 | SEOB2709 | 9633 | SEOB2777 | 9689 | SEOB2940 | 9745 | SEOB3010 |
| 9522 | seob2621 | 9578 | SEOB2710 | 9634 | SEOB2778 | 9690 | SEOB2941 | 9746 | SEOB3011 |
| 9523 | seob2622 | 9579 | SEOB2711 | 9635 | SEOB2779 | 9691 | SEOB2942 | 9747 | SEOB3012 |
| 9524 | seob2624 | 9580 | SEOB2712 | 9636 | SEOB2780 | 9692 | SEOB2944 | 9748 | SEOB3014 |
| 9525 | seob2625 | 9581 | SEOB2713 | 9637 | SEOB2781 | 9693 | SEOB2945 | 9749 | SEOB3015 |
| 9526 | SEOB2627 | 9582 | SEOB2714 | 9638 | SEOB2783 | 9694 | SEOB2946 | 9750 | SEOB3017 |
| 9527 | SEOB2629 | 9583 | SEOB2716 | 9639 | SEOB2785 | 9695 | SEOB2947 | 9751 | SEOB3018 |
| 9528 | SEOB2631 | 9584 | SEOB2717 | 9640 | SEOB2786 | 9696 | SEOB2948 | 9752 | SEOB3020 |
| 9529 | SEOB2633 | 9585 | SEOB2719 | 9641 | SEOB2787 | 9697 | SEOB2950 | 9753 | SEOB3025 |
| 9530 | SEOB2635 | 9586 | SEOB2722 | 9642 | SEOB2788 | 9698 | SEOB2951 | 9754 | SEOB3026 |
| 9531 | SEOB2639 | 9587 | SEOB2723 | 9643 | SEOB2789 | 9699 | SEOB2952 | 9755 | SEOB3027 |
| 9532 | SEOB2642 | 9588 | SEOB2724 | 9644 | SEOB2790 | 9700 | SEOB2953 | 9756 | SEOB3029 |
| 9533 | SEOB2643 | 9589 | SEOB2726 | 9645 | SEOB2791 | 9701 | SEOB2954 | 9757 | SEOB3033 |
| 9534 | SEOB2645 | 9590 | SEOB2727 | 9646 | SEOB2792 | 9702 | SEOB2955 | 9758 | SEOB3035 |
| 9535 | SEOB2648 | 9591 | SEOB2728 | 9647 | SEOB2793 | 9703 | SEOB2956 | 9759 | SEOB3037 |
| 9536 | SEOB2649 | 9592 | SEOB2729 | 9648 | SEOB2794 | 9704 | SEOB2957 | 9760 | SEOB3038 |
| 9537 | SEOB2650 | 9593 | SEOB2730 | 9649 | SEOB2795 | 9705 | SEOB2958 | 9761 | SEOB3039 |
| 9538 | SEOB2651 | 9594 | SEOB2731 | 9650 | SEOB2796 | 9706 | SEOB2959 | 9762 | SEOB3041 |
| 9539 | SEOB2653 | 9595 | SEOB2732 | 9651 | SEOB2797 | 9707 | seob2960n | 9763 | SEOB3042 |
| 9540 | SEOB2657 | 9596 | SEOB2733 | 9652 | SEOB2798 | 9708 | SEOB2962 | 9764 | SEOB3045 |
| 9541 | SEOB2658 | 9597 | SEOB2734 | 9653 | SEOB2800 | 9709 | SEOB2964 | 9765 | SEOB3047 |
| 9542 | SEOB2659 | 9598 | SEOB2735 | 9654 | SEOB2801 | 9710 | SEOB2965 | 9766 | SEOB3048 |
| 9543 | SEOB2660 | 9599 | SEOB2736 | 9655 | SEOB2802 | 9711 | SEOB2966 | 9767 | SEOB3049 |
| 9544 | SEOB2661 | 9600 | SEOB2737 | 9656 | SEOB2803 | 9712 | SEOB2967 | 9768 | SEOB3050 |
| 9545 | SEOB2662 | 9601 | SEOB2738 | 9657 | SEOB2804 | 9713 | SEOB2969 | 9769 | SEOB3051 |
| 9546 | SEOB2663 | 9602 | SEOB2739 | 9658 | SEOB2805 | 9714 | SEOB2972 | 9770 | SEOB3052 |
| 9547 | SEOB2665 | 9603 | SEOB2740 | 9659 | SEOB2806 | 9715 | SEOB2973 | 9771 | SEOB3053 |
| 9548 | SEOB2666 | 9604 | SEOB2741 | 9660 | SEOB2807 | 9716 | SEOB2974 | 9772 | SEOB3054 |
| 9549 | seob2667n | 9605 | SEOB2742 | 9661 | SEOB2808 | 9717 | SEOB2976 | 9773 | SEOB3055 |
| 9550 | SEOB2668 | 9606 | SEOB2744 | 9662 | SEOB2809 | 9718 | SEOB2978 | 9774 | SEOB3056 |
| 9551 | SEOB2669 | 9607 | SEOB2745 | 9663 | SEOB2810 | 9719 | SEOB2979 | 9775 | SEOB3057 |
| 9552 | SEOB2670 | 9608 | SEOB2746 | 9664 | SEOB2811 | 9720 | SEOB2980 | 9776 | SEOB3058 |
| 9553 | SEOB2671 | 9609 | SEOB2749 | 9665 | SEOB2812 | 9721 | SEOB2981 | 9777 | SEOB3059 |
| 9554 | SEOB2674 | 9610 | SEOB2750 | 9666 | SEOB2813 | 9722 | SEOB2983 | 9778 | SEOB3061 |
| 9555 | SEOB2676 | 9611 | SEOB2751 | 9667 | SEOB2814 | 9723 | SEOB2984 | 9779 | SEOB3063 |
| 9556 | SEOB2677 | 9612 | SEOB2752 | 9668 | SEOB2816 | 9724 | SEOB2985 | 9780 | SEOB3064 |
| 9557 | SEOB2678 | 9613 | SEOB2753 | 9669 | SEOB2817 | 9725 | SEOB2986 | 9781 | seob3065n |
| 9558 | SEOB2679 | 9614 | SEOB2754 | 9670 | SEOB2914 | 9726 | SEOB2987 | 9782 | SEOB3066 |
| 9559 | SEOB2680 | 9615 | SEOB2755 | 9671 | SEOB2916 | 9727 | SEOB2988 | 9783 | SEOB3067 |
| 9560 | SEOB2681 | 9616 | SEOB2756 | 9672 | SEOB2917 | 9728 | SEOB2989 | 9784 | SEOB3068 |
| 9561 | SEOB2683 | 9617 | SEOB2757 | 9673 | SEOB2918 | 9729 | SEOB2990 | 9785 | SEOB3069 |
| 9562 | SEOB2685 | 9618 | SEOB2760 | 9674 | SEOB2919 | 9730 | SEOB2991 | 9786 | SEOB3072 |
| 9563 | SEOB2686 | 9619 | SEOB2761 | 9675 | SEOB2920 | 9731 | SEOB2994 | 9787 | SEOB3073 |
| 9564 | SEOB2688 | 9620 | SEOB2762 | 9676 | SEOB2921 | 9732 | SEOB2995 | 9788 | SEOB3074 |
| 9565 | SEOB2689 | 9621 | SEOB2763 | 9677 | SEOB2924 | 9733 | SEOB2996 | 9789 | SEOB3075 |
| 9566 | SEOB2690 | 9622 | SEOB2764 | 9678 | SEOB2925 | 9734 | SEOB2998 | 9790 | SEOB3076 |
| 9567 | SEOB2691 | 9623 | SEOB2765 | 9679 | SEOB2926 | 9735 | SEOB2999 | 9791 | SEOB3077 |
| 9568 | SEOB2692 | 9624 | SEOB2766 | 9680 | SEOB2927 | 9736 | SEOB3000 | 9792 | SEOB3078 |
| 9569 | SEOB2696 | 9625 | SEOB2767 | 9681 | SEOB2929 | 9737 | SEOB3002 | 9793 | SEOB3079 |
| 9570 | SEOB2697 | 9626 | SEOB2768 | 9682 | SEOB2930 | 9738 | SEOB3003 | 9794 | SEOB3081 |
| 9571 | SEOB2699 | 9627 | SEOB2770 | 9683 | SEOB2932 | 9739 | SEOB3004 | 9795 | SEOB3082 |
| 9572 | SEOB2701 | 9628 | SEOB2771 | 9684 | SEOB2934 | 9740 | SEOB3005 | 9796 | SEOB3083 |
| 9573 | SEOB2704 | 9629 | SEOB2772 | 9685 | SEOB2936 | 9741 | SEOB3006 | 9797 | SEOB3085 |
| 9574 | SEOB2705 | 9630 | SEOB2773 | 9686 | SEOB2937 | 9742 | SEOB3007 | 9798 | SEOB3086 |
| 9575 | SEOB2706 | 9631 | SEOB2774 | 9687 | SEOB2938 | 9743 | SEOB3008 | 9799 | SEOB3088 |
| 9576 | SEOB2707 | 9632 | SEOB2775 | 9688 | SEOB2939 | 9744 | SEOB3009 | 9800 | SEOB3090 |

Figure 6E - Continued

| | | | | | | | | | |
|------|-----------|------|----------|------|-----------|-------|----------|-------|-----------|
| 9801 | SEOB3091 | 9857 | SEOB3154 | 9913 | SEOB3224 | 9969 | SEOB3300 | 10025 | SEOB3368 |
| 9802 | SEOB3092 | 9858 | SEOB3155 | 9914 | SEOB3225 | 9970 | SEOB3301 | 10026 | SEOB3369 |
| 9803 | SEOB3093 | 9859 | SEOB3156 | 9915 | SEOB3226 | 9971 | SEOB3302 | 10027 | SEOB3370 |
| 9804 | SEOB3095 | 9860 | SEOB3157 | 9916 | SEOB3227 | 9972 | SEOB3303 | 10028 | SEOB3371 |
| 9805 | SEOB3096 | 9861 | SEOB3158 | 9917 | SEOB3228 | 9973 | SEOB3304 | 10029 | SEOB3374 |
| 9806 | SEOB3097 | 9862 | SEOB3162 | 9918 | SEOB3229 | 9974 | SEOB3305 | 10030 | SEOB3376 |
| 9807 | SEOB3098 | 9863 | SEOB3163 | 9919 | SEOB3230 | 9975 | SEOB3307 | 10031 | SEOB3377 |
| 9808 | SEOB3099 | 9864 | SEOB3164 | 9920 | SEOB3231 | 9976 | SEOB3308 | 10032 | SEOB3378 |
| 9809 | SEOB3100 | 9865 | SEOB3165 | 9921 | SEOB3233 | 9977 | SEOB3309 | 10033 | SEOB3379 |
| 9810 | SEOB3101 | 9866 | SEOB3166 | 9922 | SEOB3234 | 9978 | SEOB3310 | 10034 | SEOB3380 |
| 9811 | SEOB3102 | 9867 | SEOB3168 | 9923 | SEOB3235 | 9979 | SEOB3312 | 10035 | SEOB3381 |
| 9812 | SEOB3103 | 9868 | SEOB3169 | 9924 | SEOB3236 | 9980 | SEOB3313 | 10036 | SEOB3382 |
| 9813 | SEOB3104 | 9869 | SEOB3170 | 9925 | SEOB3237 | 9981 | SEOB3314 | 10037 | SEOB3383 |
| 9814 | SEOB3105 | 9870 | SEOB3171 | 9926 | SEOB3238 | 9982 | SEOB3315 | 10038 | SEOB3384 |
| 9815 | SEOB3106 | 9871 | SEOB3172 | 9927 | SEOB3239 | 9983 | SEOB3316 | 10039 | SEOB3385 |
| 9816 | SEOB3107 | 9872 | SEOB3174 | 9928 | SEOB3240 | 9984 | SEOB3317 | 10040 | SEOB3386 |
| 9817 | SEOB3108 | 9873 | SEOB3175 | 9929 | SEOB3241 | 9985 | SEOB3318 | 10041 | seob3387n |
| 9818 | SEOB3109 | 9874 | SEOB3176 | 9930 | SEOB3243 | 9986 | SEOB3319 | 10042 | SEOB3388 |
| 9819 | SEOB3110 | 9875 | SEOB3177 | 9931 | SEOB3244 | 9987 | SEOB3320 | 10043 | SEOB3389 |
| 9820 | SEOB3111 | 9876 | SEOB3178 | 9932 | SEOB3245 | 9988 | SEOB3321 | 10044 | SEOB3390 |
| 9821 | SEOB3112 | 9877 | SEOB3179 | 9933 | SEOB3247 | 9989 | SEOB3322 | 10045 | SEOB3392 |
| 9822 | SEOB3113 | 9878 | SEOB3180 | 9934 | SEOB3248 | 9990 | SEOB3323 | 10046 | SEOB3393 |
| 9823 | SEOB3114 | 9879 | SEOB3181 | 9935 | SEOB3249 | 9991 | SEOB3325 | 10047 | SEOB3394 |
| 9824 | SEOB3115 | 9880 | SEOB3182 | 9936 | SEOB3252 | 9992 | SEOB3326 | 10048 | SEOB3395 |
| 9825 | SEOB3116 | 9881 | SEOB3183 | 9937 | SEOB3253 | 9993 | SEOB3327 | 10049 | SEOB3397 |
| 9826 | SEOB3117 | 9882 | SEOB3184 | 9938 | SEOB3254 | 9994 | SEOB3328 | 10050 | SEOB3398 |
| 9827 | SEOB3118 | 9883 | seob3185 | 9939 | SEOB3255 | 9995 | SEOB3329 | 10051 | SEOB3399 |
| 9828 | SEOB3119 | 9884 | SEOB3186 | 9940 | SEOB3256 | 9996 | SEOB3330 | 10052 | SEOB3400 |
| 9829 | SEOB3120 | 9885 | SEOB3187 | 9941 | SEOB3257 | 9997 | SEOB3331 | 10053 | SEOB3401 |
| 9830 | SEOB3121 | 9886 | SEOB3189 | 9942 | SEOB3258 | 9998 | SEOB3332 | 10054 | SEOB3402 |
| 9831 | SEOB3122 | 9887 | SEOB3190 | 9943 | seob3259n | 9999 | SEOB3333 | 10055 | SEOB3403 |
| 9832 | SEOB3123 | 9888 | SEOB3191 | 9944 | SEOB3260 | 10000 | SEOB3336 | 10056 | SEOB3404 |
| 9833 | SEOB3127 | 9889 | SEOB3192 | 9945 | SEOB3261 | 10001 | SEOB3337 | 10057 | SEOB3405 |
| 9834 | SEOB3128 | 9890 | SEOB3193 | 9946 | SEOB3262 | 10002 | SEOB3338 | 10058 | SEOB3407 |
| 9835 | seob3129n | 9891 | SEOB3194 | 9947 | SEOB3263 | 10003 | SEOB3341 | 10059 | SEOB3408 |
| 9836 | SEOB3130 | 9892 | SEOB3195 | 9948 | seob3264 | 10004 | SEOB3343 | 10060 | SEOB3409 |
| 9837 | SEOB3131 | 9893 | SEOB3196 | 9949 | SEOB3265 | 10005 | SEOB3344 | 10061 | SEOB3411 |
| 9838 | SEOB3133 | 9894 | SEOB3197 | 9950 | seob3266 | 10006 | SEOB3346 | 10062 | SEOB3413 |
| 9839 | SEOB3134 | 9895 | SEOB3201 | 9951 | seob3267n | 10007 | SEOB3347 | 10063 | SEOB3414 |
| 9840 | SEOB3135 | 9896 | SEOB3203 | 9952 | seob3268 | 10008 | SEOB3348 | 10064 | SEOB3415 |
| 9841 | SEOB3136 | 9897 | SEOB3204 | 9953 | seob3269 | 10009 | SEOB3349 | 10065 | SEOB3416 |
| 9842 | SEOB3137 | 9898 | SEOB3206 | 9954 | SEOB3270 | 10010 | SEOB3350 | 10066 | SEOB3417 |
| 9843 | SEOB3138 | 9899 | SEOB3207 | 9955 | seob3271 | 10011 | SEOB3351 | 10067 | SEOB3418 |
| 9844 | SEOB3139 | 9900 | SEOB3209 | 9956 | seob3272 | 10012 | SEOB3354 | 10068 | SEOB3419 |
| 9845 | SEOB3140 | 9901 | SEOB3210 | 9957 | SEOB3273 | 10013 | SEOB3355 | 10069 | SEOB3420 |
| 9846 | SEOB3141 | 9902 | SEOB3211 | 9958 | SEOB3275 | 10014 | SEOB3356 | 10070 | SEOB3421 |
| 9847 | SEOB3142 | 9903 | SEOB3212 | 9959 | SEOB3277 | 10015 | SEOB3357 | 10071 | SEOB3422 |
| 9848 | SEOB3143 | 9904 | SEOB3213 | 9960 | SEOB3278 | 10016 | SEOB3358 | 10072 | SEOB3423 |
| 9849 | SEOB3144 | 9905 | SEOB3214 | 9961 | seob3279n | 10017 | SEOB3359 | 10073 | SEOB3424 |
| 9850 | SEOB3145 | 9906 | SEOB3215 | 9962 | SEOB3281 | 10018 | SEOB3360 | 10074 | SEOB3425 |
| 9851 | SEOB3148 | 9907 | SEOB3216 | 9963 | SEOB3291 | 10019 | SEOB3361 | 10075 | SEOB3426 |
| 9852 | SEOB3149 | 9908 | SEOB3217 | 9964 | SEOB3294 | 10020 | SEOB3362 | 10076 | SEOB3427 |
| 9853 | SEOB3150 | 9909 | SEOB3218 | 9965 | SEOB3295 | 10021 | SEOB3364 | 10077 | SEOB3428 |
| 9854 | SEOB3151 | 9910 | SEOB3219 | 9966 | SEOB3296 | 10022 | SEOB3365 | 10078 | SEOB3429 |
| 9855 | SEOB3152 | 9911 | SEOB3220 | 9967 | SEOB3297 | 10023 | SEOB3366 | 10079 | SEOB3430 |
| 9856 | SEOB3153 | 9912 | SEOB3221 | 9968 | SEOB3299 | 10024 | SEOB3367 | 10080 | SEOB3431 |

Figure 6E - Continued

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|-------|-----------|-------|-----------|-------|-----------|-------|----------|-------|----------|
| 10081 | SEOB3432 | 10137 | SEOB3499 | 10193 | SEOB3565 | 10249 | seob3670 | 10305 | seob3738 |
| 10082 | SEOB3435 | 10138 | SEOB3500 | 10194 | SEOB3566 | 10250 | seob3671 | 10306 | seob3739 |
| 10083 | SEOB3436 | 10139 | SEOB3501 | 10195 | SEOB3568 | 10251 | seob3672 | 10307 | seob3740 |
| 10084 | SEOB3437 | 10140 | SEOB3502 | 10196 | SEOB3569 | 10252 | seob3673 | 10308 | seob3741 |
| 10085 | SEOB3440 | 10141 | SEOB3503 | 10197 | SEOB3570 | 10253 | seob3674 | 10309 | seob3743 |
| 10086 | SEOB3441 | 10142 | SEOB3504 | 10198 | SEOB3571 | 10254 | seob3675 | 10310 | seob3744 |
| 10087 | SEOB3443 | 10143 | SEOB3506 | 10199 | SEOB3573 | 10255 | seob3676 | 10311 | seob3747 |
| 10088 | SEOB3444 | 10144 | SEOB3507 | 10200 | SEOB3574 | 10256 | seob3677 | 10312 | seob3748 |
| 10089 | SEOB3446 | 10145 | SEOB3508 | 10201 | SEOB3575 | 10257 | seob3678 | 10313 | seob3749 |
| 10090 | SEOB3447 | 10146 | SEOB3509 | 10202 | SEOB3576 | 10258 | seob3679 | 10314 | seob3750 |
| 10091 | SEOB3448 | 10147 | SEOB3510 | 10203 | SEOB3577 | 10259 | seob3680 | 10315 | seob3751 |
| 10092 | SEOB3450 | 10148 | SEOB3511 | 10204 | SEOB3578 | 10260 | seob3681 | 10316 | seob3753 |
| 10093 | SEOB3451 | 10149 | SEOB3512 | 10205 | SEOB3580 | 10261 | seob3682 | 10317 | seob3754 |
| 10094 | SEOB3452 | 10150 | SEOB3513 | 10206 | SEOB3581 | 10262 | seob3683 | 10318 | seob3755 |
| 10095 | SEOB3453 | 10151 | SEOB3514 | 10207 | SEOB3582 | 10263 | seob3684 | 10319 | seob3756 |
| 10096 | SEOB3454 | 10152 | SEOB3517 | 10208 | SEOB3584 | 10264 | seob3685 | 10320 | seob3757 |
| 10097 | SEOB3455 | 10153 | SEOB3518 | 10209 | SEOB3585 | 10265 | seob3686 | 10321 | seob3834 |
| 10098 | SEOB3456 | 10154 | SEOB3519 | 10210 | SEOB3587 | 10266 | seob3688 | 10322 | seob3836 |
| 10099 | SEOB3457 | 10155 | SEOB3520 | 10211 | SEOB3588 | 10267 | seob3689 | 10323 | seob3837 |
| 10100 | SEOB3458 | 10156 | SEOB3521 | 10212 | SEOB3589 | 10268 | seob3690 | 10324 | seob3838 |
| 10101 | SEOB3459 | 10157 | SEOB3522 | 10213 | SEOB3590 | 10269 | seob3692 | 10325 | seob3840 |
| 10102 | SEOB3460 | 10158 | SEOB3523 | 10214 | SEOB3591 | 10270 | seob3694 | 10326 | seob3841 |
| 10103 | SEOB3461 | 10159 | SEOB3524 | 10215 | SEOB3593 | 10271 | seob3695 | 10327 | seob3842 |
| 10104 | SEOB3462 | 10160 | SEOB3525 | 10216 | SEOB3594 | 10272 | seob3696 | 10328 | seob3843 |
| 10105 | SEOB3463 | 10161 | SEOB3526 | 10217 | SEOB3595 | 10273 | seob3697 | 10329 | seob3844 |
| 10106 | SEOB3464 | 10162 | SEOB3528 | 10218 | SEOB3596 | 10274 | seob3698 | 10330 | seob3845 |
| 10107 | SEOB3465 | 10163 | SEOB3530 | 10219 | SEOB3597 | 10275 | seob3699 | 10331 | seob3847 |
| 10108 | SEOB3466 | 10164 | SEOB3531 | 10220 | SEOB3599 | 10276 | seob3700 | 10332 | seob3852 |
| 10109 | SEOB3467 | 10165 | SEOB3532 | 10221 | seob3601 | 10277 | seob3701 | 10333 | seob3854 |
| 10110 | SEOB3468 | 10166 | SEOB3533 | 10222 | seob3602 | 10278 | seob3702 | 10334 | seob3855 |
| 10111 | SEOB3469 | 10167 | SEOB3534 | 10223 | seob3603 | 10279 | seob3703 | 10335 | seob3856 |
| 10112 | SEOB3470 | 10168 | SEOB3535 | 10224 | seob3642 | 10280 | seob3704 | 10336 | seob3857 |
| 10113 | SEOB3471 | 10169 | SEOB3537 | 10225 | seob3643n | 10281 | seob3705 | 10337 | seob3858 |
| 10114 | SEOB3474 | 10170 | SEOB3538 | 10226 | seob3644 | 10282 | seob3707 | 10338 | seob3859 |
| 10115 | SEOB3475 | 10171 | seob3539n | 10227 | seob3645 | 10283 | seob3709 | 10339 | seob3860 |
| 10116 | SEOB3476 | 10172 | SEOB3540 | 10228 | seob3646 | 10284 | seob3710 | 10340 | seob3861 |
| 10117 | SEOB3477 | 10173 | SEOB3541 | 10229 | seob3647 | 10285 | seob3711 | 10341 | seob3862 |
| 10118 | SEOB3478 | 10174 | SEOB3542 | 10230 | seob3648 | 10286 | seob3712 | 10342 | seob3865 |
| 10119 | SEOB3479 | 10175 | SEOB3545 | 10231 | seob3649 | 10287 | seob3713 | 10343 | seob3866 |
| 10120 | SEOB3480 | 10176 | SEOB3546 | 10232 | seob3650 | 10288 | seob3714 | 10344 | seob3867 |
| 10121 | seob3481 | 10177 | SEOB3547 | 10233 | seob3653 | 10289 | seob3715 | 10345 | seob3868 |
| 10122 | SEOB3483 | 10178 | SEOB3548 | 10234 | seob3654 | 10290 | seob3716 | 10346 | seob3869 |
| 10123 | SEOB3485 | 10179 | SEOB3549 | 10235 | seob3655 | 10291 | seob3717 | 10347 | seob3870 |
| 10124 | SEOB3486 | 10180 | SEOB3550 | 10236 | seob3657 | 10292 | seob3718 | 10348 | seob3872 |
| 10125 | SEOB3487 | 10181 | SEOB3551 | 10237 | seob3658 | 10293 | seob3719 | 10349 | seob3873 |
| 10126 | SEOB3488 | 10182 | SEOB3553 | 10238 | seob3659 | 10294 | seob3720 | 10350 | seob3875 |
| 10127 | SEOB3489 | 10183 | SEOB3554 | 10239 | seob3660 | 10295 | seob3722 | 10351 | seob3876 |
| 10128 | SEOB3490 | 10184 | SEOB3555 | 10240 | seob3661 | 10296 | seob3723 | 10352 | seob3877 |
| 10129 | SEOB3491 | 10185 | SEOB3556 | 10241 | seob3662 | 10297 | seob3725 | 10353 | seob3878 |
| 10130 | SEOB3492 | 10186 | SEOB3558 | 10242 | seob3663 | 10298 | seob3726 | 10354 | seob3879 |
| 10131 | SEOB3493 | 10187 | SEOB3559 | 10243 | seob3664 | 10299 | seob3727 | 10355 | seob3881 |
| 10132 | seob3494n | 10188 | SEOB3560 | 10244 | seob3665 | 10300 | seob3729 | 10356 | seob3882 |
| 10133 | SEOB3495 | 10189 | SEOB3561 | 10245 | seob3666 | 10301 | seob3730 | 10357 | seob3883 |
| 10134 | SEOB3496 | 10190 | SEOB3562 | 10246 | seob3667 | 10302 | seob3731 | 10358 | seob3884 |
| 10135 | SEOB3497 | 10191 | SEOB3563 | 10247 | seob3668 | 10303 | seob3732 | 10359 | seob3885 |
| 10136 | SEOB3498 | 10192 | SEOB3564 | 10248 | seob3669 | 10304 | seob3734 | 10360 | seob3886 |

Figure 6E - Continued

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|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|
| 10361 | seob3887 | 10417 | seob3955 | 10473 | seob4023 | 10529 | seob4089 | 10585 | seob4150 |
| 10362 | seob3888 | 10418 | seob3956 | 10474 | seob4026 | 10530 | seob4090 | 10586 | seob4152 |
| 10363 | seob3889 | 10419 | seob3958 | 10475 | seob4028 | 10531 | seob4091 | 10587 | seob4153 |
| 10364 | seob3890 | 10420 | seob3960 | 10476 | seob4029 | 10532 | seob4092 | 10588 | seob4154 |
| 10365 | seob3891 | 10421 | seob3961 | 10477 | seob4030 | 10533 | seob4093 | 10589 | seob4155 |
| 10366 | seob3892 | 10422 | seob3962 | 10478 | seob4032 | 10534 | seob4094 | 10590 | seob4156 |
| 10367 | seob3893 | 10423 | seob3963 | 10479 | seob4033 | 10535 | seob4095 | 10591 | seob4157 |
| 10368 | seob3894 | 10424 | seob3964 | 10480 | seob4034 | 10536 | seob4096 | 10592 | seob4158 |
| 10369 | seob3896 | 10425 | seob3965 | 10481 | seob4035 | 10537 | seob4097 | 10593 | seob4160 |
| 10370 | seob3897 | 10426 | seob3966 | 10482 | seob4036 | 10538 | seob4098 | 10594 | seob4161 |
| 10371 | seob3898 | 10427 | seob3969 | 10483 | seob4037 | 10539 | seob4099 | 10595 | seob4162 |
| 10372 | seob3899 | 10428 | seob3970 | 10484 | seob4038 | 10540 | seob4100 | 10596 | seob4163 |
| 10373 | seob3901 | 10429 | seob3972 | 10485 | seob4039 | 10541 | seob4101 | 10597 | seob4164 |
| 10374 | seob3902 | 10430 | seob3973 | 10486 | seob4040 | 10542 | seob4102 | 10598 | seob4165 |
| 10375 | seob3903 | 10431 | seob3975 | 10487 | seob4041 | 10543 | seob4103 | 10599 | seob4166 |
| 10376 | seob3904 | 10432 | seob3976 | 10488 | seob4042 | 10544 | seob4104 | 10600 | seob4167 |
| 10377 | seob3905 | 10433 | seob3977 | 10489 | seob4044 | 10545 | seob4105 | 10601 | seob4168 |
| 10378 | seob3908 | 10434 | seob3978 | 10490 | seob4045 | 10546 | seob4107 | 10602 | seob4169 |
| 10379 | seob3910 | 10435 | seob3979 | 10491 | seob4047 | 10547 | seob4108 | 10603 | seob4170 |
| 10380 | seob3911 | 10436 | seob3980 | 10492 | seob4049 | 10548 | seob4109 | 10604 | seob4171 |
| 10381 | seob3912 | 10437 | seob3982 | 10493 | seob4050 | 10549 | seob4110 | 10605 | seob4172 |
| 10382 | seob3913 | 10438 | seob3983 | 10494 | seob4051 | 10550 | seob4112 | 10606 | seob4173 |
| 10383 | seob3914 | 10439 | seob3984 | 10495 | seob4053 | 10551 | seob4113 | 10607 | seob4174 |
| 10384 | seob3915 | 10440 | seob3985 | 10496 | seob4054 | 10552 | seob4114 | 10608 | seob4175 |
| 10385 | seob3916 | 10441 | seob3986 | 10497 | seob4056 | 10553 | seob4115 | 10609 | seob4176 |
| 10386 | seob3917 | 10442 | seob3987 | 10498 | seob4057 | 10554 | seob4116 | 10610 | seob4177 |
| 10387 | seob3918 | 10443 | seob3989 | 10499 | seob4058 | 10555 | seob4117 | 10611 | seob4178 |
| 10388 | seob3919 | 10444 | seob3990 | 10500 | seob4059 | 10556 | seob4118 | 10612 | seob4179 |
| 10389 | seob3920 | 10445 | seob3991 | 10501 | seob4060 | 10557 | seob4119 | 10613 | seob4182 |
| 10390 | seob3921 | 10446 | seob3992 | 10502 | seob4061 | 10558 | seob4120 | 10614 | seob4183 |
| 10391 | seob3922 | 10447 | seob3994 | 10503 | seob4062 | 10559 | seob4121 | 10615 | seob4184 |
| 10392 | seob3923 | 10448 | seob3995 | 10504 | seob4063 | 10560 | seob4122 | 10616 | seob4185 |
| 10393 | seob3924 | 10449 | seob3996 | 10505 | seob4064 | 10561 | seob4125 | 10617 | seob4187 |
| 10394 | seob3925 | 10450 | seob3997 | 10506 | seob4065 | 10562 | seob4126 | 10618 | seob4188 |
| 10395 | seob3926 | 10451 | seob3998 | 10507 | seob4066 | 10563 | seob4127 | 10619 | seob4189 |
| 10396 | seob3927 | 10452 | seob3999 | 10508 | seob4067 | 10564 | seob4128 | 10620 | seob4190 |
| 10397 | seob3929 | 10453 | seob4000 | 10509 | seob4068 | 10565 | seob4129 | 10621 | seob4191 |
| 10398 | seob3930 | 10454 | seob4001 | 10510 | seob4069 | 10566 | seob4130 | 10622 | seob4192 |
| 10399 | seob3933 | 10455 | seob4002 | 10511 | seob4070 | 10567 | seob4131 | 10623 | seob4195 |
| 10400 | seob3935 | 10456 | seob4003 | 10512 | seob4071 | 10568 | seob4132 | 10624 | seob4196 |
| 10401 | seob3936 | 10457 | seob4004 | 10513 | seob4073 | 10569 | seob4133 | 10625 | seob4197 |
| 10402 | seob3937 | 10458 | seob4005 | 10514 | seob4074 | 10570 | seob4134 | 10626 | seob4198 |
| 10403 | seob3938 | 10459 | seob4006 | 10515 | seob4075 | 10571 | seob4135 | 10627 | seob4199 |
| 10404 | seob3940 | 10460 | seob4008 | 10516 | seob4076 | 10572 | seob4136 | 10628 | seob4200 |
| 10405 | seob3941 | 10461 | seob4009 | 10517 | seob4077 | 10573 | seob4137 | 10629 | seob4201 |
| 10406 | seob3942 | 10462 | seob4010 | 10518 | seob4078 | 10574 | seob4138 | 10630 | seob4202 |
| 10407 | seob3943 | 10463 | seob4011 | 10519 | seob4079 | 10575 | seob4139 | 10631 | seob4203 |
| 10408 | seob3944 | 10464 | seob4012 | 10520 | seob4080 | 10576 | seob4140 | 10632 | seob4204 |
| 10409 | seob3945 | 10465 | seob4013 | 10521 | seob4081 | 10577 | seob4141 | 10633 | seob4205 |
| 10410 | seob3946 | 10466 | seob4014 | 10522 | seob4082 | 10578 | seob4143 | 10634 | seob4206 |
| 10411 | seob3947 | 10467 | seob4017 | 10523 | seob4083 | 10579 | seob4144 | 10635 | seob4207 |
| 10412 | seob3948 | 10468 | seob4018 | 10524 | seob4084 | 10580 | seob4145 | 10636 | seob4208 |
| 10413 | seob3949 | 10469 | seob4019 | 10525 | seob4085 | 10581 | seob4146 | 10637 | seob4209 |
| 10414 | seob3951 | 10470 | seob4020 | 10526 | seob4086 | 10582 | seob4147 | 10638 | seob4210 |
| 10415 | seob3952 | 10471 | seob4021 | 10527 | seob4087 | 10583 | seob4148 | 10639 | seob4211 |
| 10416 | seob3953 | 10472 | seob4022 | 10528 | seob4088 | 10584 | seob4149 | 10640 | seob4212 |

Figure 6E – Continued

| | | | | | | | | | |
|-------|-----------|-------|-----------|-------|-----------|-------|----------|-------|----------|
| 10641 | seob4213 | 10697 | seob4281 | 10753 | seob4360 | 10809 | seob4443 | 10865 | seob4505 |
| 10642 | seob4214 | 10698 | seob4282 | 10754 | seob4362 | 10810 | seob4444 | 10866 | seob4506 |
| 10643 | seob4215 | 10699 | seob4283 | 10755 | seob4363 | 10811 | seob4445 | 10867 | seob4508 |
| 10644 | seob4216 | 10700 | seob4284 | 10756 | seob4366 | 10812 | seob4446 | 10868 | seob4515 |
| 10645 | seob4217 | 10701 | seob4285 | 10757 | seob4368 | 10813 | seob4447 | 10869 | seob4516 |
| 10646 | seob4218 | 10702 | seob4286 | 10758 | seob4369 | 10814 | seob4448 | 10870 | seob4517 |
| 10647 | seob4219 | 10703 | seob4287 | 10759 | seob4370 | 10815 | seob4450 | 10871 | seob4518 |
| 10648 | seob4220 | 10704 | seob4288 | 10760 | seob4372 | 10816 | seob4451 | 10872 | seob4522 |
| 10649 | seob4223 | 10705 | seob4290 | 10761 | seob4374 | 10817 | seob4452 | 10873 | seob4523 |
| 10650 | seob4224 | 10706 | seob4291 | 10762 | seob4375 | 10818 | seob4453 | 10874 | seob4524 |
| 10651 | seob4225 | 10707 | seob4292 | 10763 | seob4377 | 10819 | seob4454 | 10875 | seob4525 |
| 10652 | seob4226 | 10708 | seob4293 | 10764 | seob4378 | 10820 | seob4455 | 10876 | seob4526 |
| 10653 | seob4228 | 10709 | seob4294 | 10765 | seob4379 | 10821 | seob4456 | 10877 | seob4527 |
| 10654 | seob4229 | 10710 | seob4295 | 10766 | seob4380 | 10822 | seob4457 | 10878 | seob4528 |
| 10655 | seob4230 | 10711 | seob4296 | 10767 | seob4381 | 10823 | seob4458 | 10879 | seob4529 |
| 10656 | seob4231 | 10712 | seob4297 | 10768 | seob4382 | 10824 | seob4459 | 10880 | seob4530 |
| 10657 | seob4232 | 10713 | seob4298 | 10769 | seob4383 | 10825 | seob4460 | 10881 | seob4531 |
| 10658 | seob4233 | 10714 | seob4301n | 10770 | seob4384 | 10826 | seob4461 | 10882 | seob4532 |
| 10659 | seob4234 | 10715 | seob4302 | 10771 | seob4385n | 10827 | seob4462 | 10883 | seob4534 |
| 10660 | seob4235 | 10716 | seob4303 | 10772 | seob4389 | 10828 | seob4463 | 10884 | seob4536 |
| 10661 | seob4237 | 10717 | seob4304 | 10773 | seob4390 | 10829 | seob4465 | 10885 | seob4537 |
| 10662 | seob4240 | 10718 | seob4305 | 10774 | seob4393 | 10830 | seob4466 | 10886 | seob4538 |
| 10663 | seob4241 | 10719 | seob4306 | 10775 | seob4394 | 10831 | seob4467 | 10887 | seob4539 |
| 10664 | seob4242 | 10720 | seob4308 | 10776 | seob4400 | 10832 | seob4468 | 10888 | seob4540 |
| 10665 | seob4243 | 10721 | seob4309 | 10777 | seob4401 | 10833 | seob4469 | 10889 | seob4541 |
| 10666 | seob4244 | 10722 | seob4311 | 10778 | seob4404 | 10834 | seob4470 | 10890 | seob4542 |
| 10667 | seob4246 | 10723 | seob4312 | 10779 | seob4409 | 10835 | seob4471 | 10891 | seob4543 |
| 10668 | seob4247 | 10724 | seob4313 | 10780 | seob4410 | 10836 | seob4472 | 10892 | seob4545 |
| 10669 | seob4248 | 10725 | seob4314 | 10781 | seob4411 | 10837 | seob4474 | 10893 | seob4553 |
| 10670 | seob4249 | 10726 | seob4317 | 10782 | seob4412 | 10838 | seob4475 | 10894 | seob4555 |
| 10671 | seob4251 | 10727 | seob4321 | 10783 | seob4413 | 10839 | seob4476 | 10895 | seob4557 |
| 10672 | seob4252 | 10728 | seob4322 | 10784 | seob4414 | 10840 | seob4477 | 10896 | seob4560 |
| 10673 | seob4254 | 10729 | seob4325 | 10785 | seob4415 | 10841 | seob4479 | 10897 | seob4561 |
| 10674 | seob4255 | 10730 | seob4326 | 10786 | seob4416 | 10842 | seob4480 | 10898 | seob4562 |
| 10675 | seob4256 | 10731 | seob4327 | 10787 | seob4417 | 10843 | seob4481 | 10899 | seob4563 |
| 10676 | seob4258 | 10732 | seob4331 | 10788 | seob4418 | 10844 | seob4482 | 10900 | seob4564 |
| 10677 | seob4259 | 10733 | seob4332 | 10789 | seob4419 | 10845 | seob4483 | 10901 | seob4565 |
| 10678 | seob4260 | 10734 | seob4333 | 10790 | seob4420 | 10846 | seob4484 | 10902 | seob4566 |
| 10679 | seob4261n | 10735 | seob4335 | 10791 | seob4421 | 10847 | seob4485 | 10903 | seob4567 |
| 10680 | seob4262 | 10736 | seob4337 | 10792 | seob4422 | 10848 | seob4486 | 10904 | seob4568 |
| 10681 | seob4263 | 10737 | seob4338 | 10793 | seob4423 | 10849 | seob4487 | 10905 | seob4569 |
| 10682 | seob4264 | 10738 | seob4339 | 10794 | seob4424 | 10850 | seob4488 | 10906 | seob4570 |
| 10683 | seob4265 | 10739 | seob4340 | 10795 | seob4425 | 10851 | seob4489 | 10907 | seob4571 |
| 10684 | seob4266 | 10740 | seob4341 | 10796 | seob4426 | 10852 | seob4490 | 10908 | seob4573 |
| 10685 | seob4267 | 10741 | seob4342 | 10797 | seob4427 | 10853 | seob4491 | 10909 | seob4574 |
| 10686 | seob4268 | 10742 | seob4345 | 10798 | seob4429 | 10854 | seob4492 | 10910 | seob4575 |
| 10687 | seob4269 | 10743 | seob4346 | 10799 | seob4430 | 10855 | seob4493 | 10911 | seob4576 |
| 10688 | seob4270 | 10744 | seob4349 | 10800 | seob4431 | 10856 | seob4494 | 10912 | seob4577 |
| 10689 | seob4271 | 10745 | seob4351 | 10801 | seob4433 | 10857 | seob4495 | 10913 | seob4578 |
| 10690 | seob4272 | 10746 | seob4352 | 10802 | seob4434 | 10858 | seob4497 | 10914 | seob4579 |
| 10691 | seob4273 | 10747 | seob4353 | 10803 | seob4435 | 10859 | seob4498 | 10915 | seob4580 |
| 10692 | seob4274 | 10748 | seob4355 | 10804 | seob4438 | 10860 | seob4499 | 10916 | seob4581 |
| 10693 | seob4276 | 10749 | seob4356 | 10805 | seob4439 | 10861 | seob4500 | 10917 | seob4582 |
| 10694 | seob4277 | 10750 | seob4357 | 10806 | seob4440 | 10862 | seob4502 | 10918 | seob4583 |
| 10695 | seob4278 | 10751 | seob4358 | 10807 | seob4441 | 10863 | seob4503 | 10919 | seob4584 |
| 10696 | seob4280 | 10752 | seob4359 | 10808 | seob4442 | 10864 | seob4504 | 10920 | seob4585 |

Figure 6E - Continued

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|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|
| 10921 | seob4586 | 10977 | seob4650 | 11033 | seob4718 | 11089 | seob4777 | 11145 | seob4843 |
| 10922 | seob4587 | 10978 | seob4651 | 11034 | seob4719 | 11090 | seob4778 | 11146 | seob4844 |
| 10923 | seob4589 | 10979 | seob4652 | 11035 | seob4720 | 11091 | seob4779 | 11147 | seob4845 |
| 10924 | seob4590 | 10980 | seob4653 | 11036 | seob4721 | 11092 | seob4780 | 11148 | seob4846 |
| 10925 | seob4591 | 10981 | seob4654 | 11037 | seob4722 | 11093 | seob4781 | 11149 | seob4847 |
| 10926 | seob4592 | 10982 | seob4655 | 11038 | seob4723 | 11094 | seob4782 | 11150 | seob4848 |
| 10927 | seob4593 | 10983 | seob4656 | 11039 | seob4724 | 11095 | seob4783 | 11151 | seob4849 |
| 10928 | seob4594 | 10984 | seob4657 | 11040 | seob4725 | 11096 | seob4784 | 11152 | seob4850 |
| 10929 | seob4595 | 10985 | seob4658 | 11041 | seob4726 | 11097 | seob4785 | 11153 | seob4851 |
| 10930 | seob4596 | 10986 | seob4659 | 11042 | seob4728 | 11098 | seob4786 | 11154 | seob4852 |
| 10931 | seob4598 | 10987 | seob4660 | 11043 | seob4730 | 11099 | seob4787 | 11155 | seob4853 |
| 10932 | seob4599 | 10988 | seob4661 | 11044 | seob4731 | 11100 | seob4790 | 11156 | seob4854 |
| 10933 | seob4600 | 10989 | seob4662 | 11045 | seob4732 | 11101 | seob4791 | 11157 | seob4855 |
| 10934 | seob4601 | 10990 | seob4663 | 11046 | seob4733 | 11102 | seob4793 | 11158 | seob4857 |
| 10935 | seob4602 | 10991 | seob4664 | 11047 | seob4734 | 11103 | seob4794 | 11159 | seob4858 |
| 10936 | seob4603 | 10992 | seob4665 | 11048 | seob4735 | 11104 | seob4795 | 11160 | seob4859 |
| 10937 | seob4604 | 10993 | seob4666 | 11049 | seob4736 | 11105 | seob4796 | 11161 | seob4860 |
| 10938 | seob4605 | 10994 | seob4667 | 11050 | seob4737 | 11106 | seob4797 | 11162 | seob4861 |
| 10939 | seob4606 | 10995 | seob4668 | 11051 | seob4738 | 11107 | seob4798 | 11163 | seob4863 |
| 10940 | seob4607 | 10996 | seob4669 | 11052 | seob4739 | 11108 | seob4799 | 11164 | seob4864 |
| 10941 | seob4608 | 10997 | seob4670 | 11053 | seob4740 | 11109 | seob4801 | 11165 | seob4865 |
| 10942 | seob4609 | 10998 | seob4671 | 11054 | seob4741 | 11110 | seob4802 | 11166 | seob4866 |
| 10943 | seob4611 | 10999 | seob4672 | 11055 | seob4742 | 11111 | seob4804 | 11167 | seob4867 |
| 10944 | seob4612 | 11000 | seob4673 | 11056 | seob4743 | 11112 | seob4805 | 11168 | seob4868 |
| 10945 | seob4613 | 11001 | seob4675 | 11057 | seob4744 | 11113 | seob4807 | 11169 | seob4869 |
| 10946 | seob4614 | 11002 | seob4676 | 11058 | seob4745 | 11114 | seob4808 | 11170 | seob4870 |
| 10947 | seob4615 | 11003 | seob4677 | 11059 | seob4746 | 11115 | seob4809 | 11171 | seob4871 |
| 10948 | seob4616 | 11004 | seob4679 | 11060 | seob4747 | 11116 | seob4810 | 11172 | seob4872 |
| 10949 | seob4617 | 11005 | seob4680 | 11061 | seob4748 | 11117 | seob4811 | 11173 | seob4873 |
| 10950 | seob4618 | 11006 | seob4681 | 11062 | seob4749 | 11118 | seob4812 | 11174 | seob4874 |
| 10951 | seob4619 | 11007 | seob4685 | 11063 | seob4750 | 11119 | seob4813 | 11175 | seob4875 |
| 10952 | seob4621 | 11008 | seob4686 | 11064 | seob4751 | 11120 | seob4814 | 11176 | seob4877 |
| 10953 | seob4622 | 11009 | seob4689 | 11065 | seob4752 | 11121 | seob4815 | 11177 | seob4878 |
| 10954 | seob4623 | 11010 | seob4690 | 11066 | seob4753 | 11122 | seob4816 | 11178 | seob4880 |
| 10955 | seob4624 | 11011 | seob4691 | 11067 | seob4754 | 11123 | seob4817 | 11179 | seob4881 |
| 10956 | seob4625 | 11012 | seob4692 | 11068 | seob4755 | 11124 | seob4818 | 11180 | seob4882 |
| 10957 | seob4626 | 11013 | seob4693 | 11069 | seob4756 | 11125 | seob4819 | 11181 | seob4883 |
| 10958 | seob4627 | 11014 | seob4694 | 11070 | seob4757 | 11126 | seob4820 | 11182 | seob4884 |
| 10959 | seob4628 | 11015 | seob4695 | 11071 | seob4758 | 11127 | seob4821 | 11183 | seob4885 |
| 10960 | seob4629 | 11016 | seob4696 | 11072 | seob4759 | 11128 | seob4822 | 11184 | seob4887 |
| 10961 | seob4630 | 11017 | seob4697 | 11073 | seob4760 | 11129 | seob4824 | 11185 | seob4888 |
| 10962 | seob4632 | 11018 | seob4698 | 11074 | seob4761 | 11130 | seob4825 | 11186 | seob4889 |
| 10963 | seob4634 | 11019 | seob4700 | 11075 | seob4762 | 11131 | seob4826 | 11187 | seob4891 |
| 10964 | seob4635 | 11020 | seob4701 | 11076 | seob4763 | 11132 | seob4827 | 11188 | seob4892 |
| 10965 | seob4636 | 11021 | seob4702 | 11077 | seob4764 | 11133 | seob4828 | 11189 | seob4893 |
| 10966 | seob4638 | 11022 | seob4704 | 11078 | seob4765 | 11134 | seob4829 | 11190 | seob4894 |
| 10967 | seob4639 | 11023 | seob4705 | 11079 | seob4766 | 11135 | seob4831 | 11191 | seob4896 |
| 10968 | seob4640 | 11024 | seob4706 | 11080 | seob4767 | 11136 | seob4832 | 11192 | seob4897 |
| 10969 | seob4641 | 11025 | seob4707 | 11081 | seob4768 | 11137 | seob4833 | 11193 | seob4898 |
| 10970 | seob4642 | 11026 | seob4708 | 11082 | seob4769 | 11138 | seob4835 | 11194 | seob4899 |
| 10971 | seob4643 | 11027 | seob4709 | 11083 | seob4770 | 11139 | seob4836 | 11195 | seob4900 |
| 10972 | seob4644 | 11028 | seob4712 | 11084 | seob4771 | 11140 | seob4837 | 11196 | seob4902 |
| 10973 | seob4645 | 11029 | seob4713 | 11085 | seob4772 | 11141 | seob4838 | 11197 | seob4903 |
| 10974 | seob4646 | 11030 | seob4714 | 11086 | seob4773 | 11142 | seob4839 | 11198 | seob4904 |
| 10975 | seob4647 | 11031 | seob4715 | 11087 | seob4774 | 11143 | seob4840 | 11199 | seob4906 |
| 10976 | seob4648 | 11032 | seob4716 | 11088 | seob4775 | 11144 | seob4841 | 11200 | seob4907 |

Figure 6E - Continued

| | | | | | | | | | |
|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|
| 11201 | seob4910 | 11257 | seob4992 | 11313 | seob5058 | 11369 | seob5126 | 11425 | seob5203 |
| 11202 | seob4911 | 11258 | seob4993 | 11314 | seob5059 | 11370 | seob5128 | 11426 | seob5204 |
| 11203 | seob4912 | 11259 | seob4994 | 11315 | seob5060 | 11371 | seob5130 | 11427 | seob5205 |
| 11204 | seob4913 | 11260 | seob4995 | 11316 | seob5063 | 11372 | seob5131 | 11428 | seob5206 |
| 11205 | seob4915 | 11261 | seob4996 | 11317 | seob5064 | 11373 | seob5132 | 11429 | seob5208 |
| 11206 | seob4916 | 11262 | seob4997 | 11318 | seob5065 | 11374 | seob5135 | 11430 | seob5209 |
| 11207 | seob4917 | 11263 | seob4999 | 11319 | seob5066 | 11375 | seob5136 | 11431 | seob5210 |
| 11208 | seob4918 | 11264 | seob5000 | 11320 | seob5067 | 11376 | seob5137 | 11432 | seob5211 |
| 11209 | seob4919 | 11265 | seob5001 | 11321 | seob5068 | 11377 | seob5138 | 11433 | seob5212 |
| 11210 | seob4920 | 11266 | seob5002 | 11322 | seob5069 | 11378 | seob5140 | 11434 | seob5213 |
| 11211 | seob4921 | 11267 | seob5003 | 11323 | seob5070 | 11379 | seob5142 | 11435 | seob5214 |
| 11212 | seob4922 | 11268 | seob5004 | 11324 | seob5071 | 11380 | seob5143 | 11436 | seob5216 |
| 11213 | seob4923 | 11269 | seob5006 | 11325 | seob5073 | 11381 | seob5144 | 11437 | seob5217 |
| 11214 | seob4925 | 11270 | seob5007 | 11326 | seob5075 | 11382 | seob5146 | 11438 | seob5218 |
| 11215 | seob4926 | 11271 | seob5009 | 11327 | seob5076 | 11383 | seob5147 | 11439 | seob5219 |
| 11216 | seob4927 | 11272 | seob5010 | 11328 | seob5077 | 11384 | seob5150 | 11440 | seob5220 |
| 11217 | seob4928 | 11273 | seob5011 | 11329 | seob5078 | 11385 | seob5152 | 11441 | seob5221 |
| 11218 | seob4929 | 11274 | seob5012 | 11330 | seob5079 | 11386 | seob5153 | 11442 | seob5222 |
| 11219 | seob4930 | 11275 | seob5013 | 11331 | seob5080 | 11387 | seob5154 | 11443 | seob5223 |
| 11220 | seob4931 | 11276 | seob5014 | 11332 | seob5081 | 11388 | seob5155 | 11444 | seob5224 |
| 11221 | seob4932 | 11277 | seob5016 | 11333 | seob5082 | 11389 | seob5157 | 11445 | seob5225 |
| 11222 | seob4933 | 11278 | seob5018 | 11334 | seob5084 | 11390 | seob5158 | 11446 | seob5227 |
| 11223 | seob4934 | 11279 | seob5019 | 11335 | seob5085 | 11391 | seob5159 | 11447 | seob5228 |
| 11224 | seob4936 | 11280 | seob5021 | 11336 | seob5086 | 11392 | seob5161 | 11448 | seob5229 |
| 11225 | seob4937 | 11281 | seob5022 | 11337 | seob5087 | 11393 | seob5162 | 11449 | seob5230 |
| 11226 | seob4938 | 11282 | seob5023 | 11338 | seob5088 | 11394 | seob5163 | 11450 | seob5231 |
| 11227 | seob4939 | 11283 | seob5024 | 11339 | seob5089 | 11395 | seob5164 | 11451 | seob5232 |
| 11228 | seob4941 | 11284 | seob5025 | 11340 | seob5090 | 11396 | seob5165 | 11452 | seob5233 |
| 11229 | seob4944 | 11285 | seob5026 | 11341 | seob5092 | 11397 | seob5168 | 11453 | seob5234 |
| 11230 | seob4945 | 11286 | seob5027 | 11342 | seob5093 | 11398 | seob5169 | 11454 | seob5235 |
| 11231 | seob4955 | 11287 | seob5028 | 11343 | seob5094 | 11399 | seob5172 | 11455 | seob5236 |
| 11232 | seob4956 | 11288 | seob5029 | 11344 | seob5095 | 11400 | seob5174 | 11456 | seob5237 |
| 11233 | seob4958 | 11289 | seob5030 | 11345 | seob5096 | 11401 | seob5175 | 11457 | seob5238 |
| 11234 | seob4961 | 11290 | seob5031 | 11346 | seob5097 | 11402 | seob5176 | 11458 | seob5239 |
| 11235 | seob4962 | 11291 | seob5032 | 11347 | seob5098 | 11403 | seob5177 | 11459 | seob5240 |
| 11236 | seob4963 | 11292 | seob5033 | 11348 | seob5099 | 11404 | seob5180 | 11460 | seob5241 |
| 11237 | seob4964 | 11293 | seob5034 | 11349 | seob5100 | 11405 | seob5181 | 11461 | seob5243 |
| 11238 | seob4965 | 11294 | seob5036 | 11350 | seob5101 | 11406 | seob5182 | 11462 | seob5244 |
| 11239 | seob4966 | 11295 | seob5037 | 11351 | seob5103 | 11407 | seob5183 | 11463 | seob5245 |
| 11240 | seob4967 | 11296 | seob5038 | 11352 | seob5104 | 11408 | seob5184 | 11464 | seob5246 |
| 11241 | seob4969 | 11297 | seob5039 | 11353 | seob5106 | 11409 | seob5185 | 11465 | seob5247 |
| 11242 | seob4970 | 11298 | seob5040 | 11354 | seob5107 | 11410 | seob5187 | 11466 | seob5249 |
| 11243 | seob4972 | 11299 | seob5041 | 11355 | seob5109 | 11411 | seob5188 | 11467 | seob5251 |
| 11244 | seob4973 | 11300 | seob5042 | 11356 | seob5110 | 11412 | seob5189 | 11468 | seob5252 |
| 11245 | seob4975 | 11301 | seob5043 | 11357 | seob5112 | 11413 | seob5190 | 11469 | seob5253 |
| 11246 | seob4976 | 11302 | seob5044 | 11358 | seob5113 | 11414 | seob5191 | 11470 | seob5254 |
| 11247 | seob4977 | 11303 | seob5045 | 11359 | seob5114 | 11415 | seob5192 | 11471 | seob5255 |
| 11248 | seob4978 | 11304 | seob5046 | 11360 | seob5115 | 11416 | seob5193 | 11472 | seob5256 |
| 11249 | seob4979 | 11305 | seob5048 | 11361 | seob5116 | 11417 | seob5194 | 11473 | seob5257 |
| 11250 | seob4981 | 11306 | seob5049 | 11362 | seob5117 | 11418 | seob5195 | 11474 | seob5258 |
| 11251 | seob4982 | 11307 | seob5052 | 11363 | seob5118 | 11419 | seob5196 | 11475 | seob5259 |
| 11252 | seob4983 | 11308 | seob5053 | 11364 | seob5120 | 11420 | seob5197 | 11476 | seob5260 |
| 11253 | seob4985 | 11309 | seob5054 | 11365 | seob5121 | 11421 | seob5198 | 11477 | seob5261 |
| 11254 | seob4986 | 11310 | seob5055 | 11366 | seob5122 | 11422 | seob5199 | 11478 | seob5262 |
| 11255 | seob4987 | 11311 | seob5056 | 11367 | seob5123 | 11423 | seob5201 | 11479 | seob5263 |
| 11256 | seob4990 | 11312 | seob5057 | 11368 | seob5124 | 11424 | seob5202 | 11480 | seob5266 |

Figure 6E – Continued

| | | | | | | | | | |
|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|
| 11481 | seob5268 | 11537 | seob5332 | 11593 | seob5397 | 11649 | seob5461 | 11705 | seob5537 |
| 11482 | seob5269 | 11538 | seob5333 | 11594 | seob5398 | 11650 | seob5462 | 11706 | seob5538 |
| 11483 | seob5270 | 11539 | seob5334 | 11595 | seob5399 | 11651 | seob5463 | 11707 | seob5539 |
| 11484 | seob5271 | 11540 | seob5335 | 11596 | seob5400 | 11652 | seob5464 | 11708 | seob5540 |
| 11485 | seob5272 | 11541 | seob5336 | 11597 | seob5401 | 11653 | seob5465 | 11709 | seob5541 |
| 11486 | seob5273 | 11542 | seob5337 | 11598 | seob5402 | 11654 | seob5466 | 11710 | seob5542 |
| 11487 | seob5274 | 11543 | seob5339 | 11599 | seob5403 | 11655 | seob5469 | 11711 | seob5543 |
| 11488 | seob5276 | 11544 | seob5340 | 11600 | seob5404 | 11656 | seob5470 | 11712 | seob5544 |
| 11489 | seob5277 | 11545 | seob5341 | 11601 | seob5405 | 11657 | seob5471 | 11713 | seob5547 |
| 11490 | seob5278 | 11546 | seob5342 | 11602 | seob5406 | 11658 | seob5472 | 11714 | seob5548 |
| 11491 | seob5280 | 11547 | seob5343 | 11603 | seob5407 | 11659 | seob5473 | 11715 | seob5549 |
| 11492 | seob5281 | 11548 | seob5344 | 11604 | seob5408 | 11660 | seob5475 | 11716 | seob5550 |
| 11493 | seob5282 | 11549 | seob5345 | 11605 | seob5409 | 11661 | seob5476 | 11717 | seob5551 |
| 11494 | seob5284 | 11550 | seob5346 | 11606 | seob5410 | 11662 | seob5478 | 11718 | seob5552 |
| 11495 | seob5285 | 11551 | seob5347 | 11607 | seob5411 | 11663 | seob5479 | 11719 | seob5554 |
| 11496 | seob5286 | 11552 | seob5349 | 11608 | seob5412 | 11664 | seob5480 | 11720 | seob5555 |
| 11497 | seob5287 | 11553 | seob5351 | 11609 | seob5413 | 11665 | seob5481 | 11721 | seob5556 |
| 11498 | seob5288 | 11554 | seob5352 | 11610 | seob5414 | 11666 | seob5485 | 11722 | seob5557 |
| 11499 | seob5289 | 11555 | seob5353 | 11611 | seob5415 | 11667 | seob5486 | 11723 | seob5558 |
| 11500 | seob5290 | 11556 | seob5354 | 11612 | seob5417 | 11668 | seob5487 | 11724 | seob5559 |
| 11501 | seob5291 | 11557 | seob5355 | 11613 | seob5418 | 11669 | seob5488 | 11725 | seob5560 |
| 11502 | seob5292 | 11558 | seob5356 | 11614 | seob5419 | 11670 | seob5489 | 11726 | seob5561 |
| 11503 | seob5295 | 11559 | seob5358 | 11615 | seob5420 | 11671 | seob5490 | 11727 | seob5562 |
| 11504 | seob5296 | 11560 | seob5359 | 11616 | seob5421 | 11672 | seob5491 | 11728 | seob5563 |
| 11505 | seob5297 | 11561 | seob5360 | 11617 | seob5423 | 11673 | seob5492 | 11729 | seob5564 |
| 11506 | seob5298 | 11562 | seob5361 | 11618 | seob5424 | 11674 | seob5493 | 11730 | seob5565 |
| 11507 | seob5299 | 11563 | seob5363 | 11619 | seob5427 | 11675 | seob5494 | 11731 | seob5566 |
| 11508 | seob5300 | 11564 | seob5364 | 11620 | seob5428 | 11676 | seob5496 | 11732 | seob5567 |
| 11509 | seob5301 | 11565 | seob5365 | 11621 | seob5429 | 11677 | seob5500 | 11733 | seob5568 |
| 11510 | seob5302 | 11566 | seob5367 | 11622 | seob5430 | 11678 | seob5501 | 11734 | seob5569 |
| 11511 | seob5304 | 11567 | seob5368 | 11623 | seob5431 | 11679 | seob5504 | 11735 | seob5570 |
| 11512 | seob5305 | 11568 | seob5369 | 11624 | seob5432 | 11680 | seob5505 | 11736 | seob5572 |
| 11513 | seob5306 | 11569 | seob5371 | 11625 | seob5433 | 11681 | seob5506 | 11737 | seob5573 |
| 11514 | seob5307 | 11570 | seob5372 | 11626 | seob5434 | 11682 | seob5507 | 11738 | seob5574 |
| 11515 | seob5308 | 11571 | seob5373 | 11627 | seob5435 | 11683 | seob5508 | 11739 | seob5575 |
| 11516 | seob5309 | 11572 | seob5374 | 11628 | seob5436 | 11684 | seob5509 | 11740 | seob5576 |
| 11517 | seob5311 | 11573 | seob5375 | 11629 | seob5437 | 11685 | seob5511 | 11741 | seob5578 |
| 11518 | seob5312 | 11574 | seob5376 | 11630 | seob5438 | 11686 | seob5512 | 11742 | seob5579 |
| 11519 | seob5313 | 11575 | seob5377 | 11631 | seob5439 | 11687 | seob5514 | 11743 | seob5580 |
| 11520 | seob5315 | 11576 | seob5378 | 11632 | seob5440 | 11688 | seob5515 | 11744 | seob5581 |
| 11521 | seob5316 | 11577 | seob5379 | 11633 | seob5441 | 11689 | seob5516 | 11745 | seob5582 |
| 11522 | seob5317 | 11578 | seob5380 | 11634 | seob5443 | 11690 | seob5517 | 11746 | seob5583 |
| 11523 | seob5318 | 11579 | seob5381 | 11635 | seob5444 | 11691 | seob5519 | 11747 | seob5584 |
| 11524 | seob5319 | 11580 | seob5382 | 11636 | seob5445 | 11692 | seob5520 | 11748 | seob5585 |
| 11525 | seob5320 | 11581 | seob5383 | 11637 | seob5447 | 11693 | seob5521 | 11749 | seob5586 |
| 11526 | seob5321 | 11582 | seob5384 | 11638 | seob5449 | 11694 | seob5523 | 11750 | seob5587 |
| 11527 | seob5322 | 11583 | seob5385 | 11639 | seob5450 | 11695 | seob5524 | 11751 | seob5588 |
| 11528 | seob5323 | 11584 | seob5386 | 11640 | seob5451 | 11696 | seob5526 | 11752 | seob5589 |
| 11529 | seob5324 | 11585 | seob5388 | 11641 | seob5452 | 11697 | seob5527 | 11753 | seob5590 |
| 11530 | seob5325 | 11586 | seob5389 | 11642 | seob5453 | 11698 | seob5528 | 11754 | seob5592 |
| 11531 | seob5326 | 11587 | seob5391 | 11643 | seob5454 | 11699 | seob5529 | 11755 | seob5593 |
| 11532 | seob5327 | 11588 | seob5392 | 11644 | seob5455 | 11700 | seob5531 | 11756 | seob5594 |
| 11533 | seob5328 | 11589 | seob5393 | 11645 | seob5456 | 11701 | seob5533 | 11757 | seob5595 |
| 11534 | seob5329 | 11590 | seob5394 | 11646 | seob5457 | 11702 | seob5534 | 11758 | seob5596 |
| 11535 | seob5330 | 11591 | seob5395 | 11647 | seob5458 | 11703 | seob5535 | 11759 | seob5597 |
| 11536 | seob5331 | 11592 | seob5396 | 11648 | seob5460 | 11704 | seob5536 | 11760 | seob5598 |

Figure 6E - Continued

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|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|
| 11761 | seob5600 | 11817 | seob5662 | 11873 | seob5736 | 11929 | seob5797 | 11985 | seob5862 |
| 11762 | seob5601 | 11818 | seob5663 | 11874 | seob5738 | 11930 | seob5798 | 11986 | seob5863 |
| 11763 | seob5602 | 11819 | seob5664 | 11875 | seob5739 | 11931 | seob5800 | 11987 | seob5864 |
| 11764 | seob5603 | 11820 | seob5665 | 11876 | seob5740 | 11932 | seob5801 | 11988 | seob5865 |
| 11765 | seob5604 | 11821 | seob5666 | 11877 | seob5741 | 11933 | seob5802 | 11989 | seob5866 |
| 11766 | seob5605 | 11822 | seob5668 | 11878 | seob5742 | 11934 | seob5803 | 11990 | seob5867 |
| 11767 | seob5606 | 11823 | seob5669 | 11879 | seob5743 | 11935 | seob5806 | 11991 | seob5869 |
| 11768 | seob5607 | 11824 | seob5670 | 11880 | seob5744 | 11936 | seob5807 | 11992 | seob5871 |
| 11769 | seob5608 | 11825 | seob5671 | 11881 | seob5745 | 11937 | seob5809 | 11993 | seob5872 |
| 11770 | seob5609 | 11826 | seob5673 | 11882 | seob5746 | 11938 | seob5811 | 11994 | seob5873 |
| 11771 | seob5610 | 11827 | seob5676 | 11883 | seob5747 | 11939 | seob5812 | 11995 | seob5876 |
| 11772 | seob5611 | 11828 | seob5678 | 11884 | seob5748 | 11940 | seob5813 | 11996 | seob5877 |
| 11773 | seob5612 | 11829 | seob5679 | 11885 | seob5749 | 11941 | seob5814 | 11997 | seob5878 |
| 11774 | seob5613 | 11830 | seob5680 | 11886 | seob5750 | 11942 | seob5815 | 11998 | seob5879 |
| 11775 | seob5614 | 11831 | seob5682 | 11887 | seob5751 | 11943 | seob5816 | 11999 | seob5880 |
| 11776 | seob5615 | 11832 | seob5683 | 11888 | seob5752 | 11944 | seob5817 | 12000 | seob5881 |
| 11777 | seob5616 | 11833 | seob5684 | 11889 | seob5753 | 11945 | seob5818 | 12001 | seob5882 |
| 11778 | seob5618 | 11834 | seob5685 | 11890 | seob5754 | 11946 | seob5819 | 12002 | seob5884 |
| 11779 | seob5619 | 11835 | seob5686 | 11891 | seob5755 | 11947 | seob5820 | 12003 | seob5885 |
| 11780 | seob5620 | 11836 | seob5688 | 11892 | seob5756 | 11948 | seob5821 | 12004 | seob5886 |
| 11781 | seob5621 | 11837 | seob5689 | 11893 | seob5757 | 11949 | seob5822 | 12005 | seob5887 |
| 11782 | seob5622 | 11838 | seob5690 | 11894 | seob5758 | 11950 | seob5823 | 12006 | seob5888 |
| 11783 | seob5623 | 11839 | seob5691 | 11895 | seob5759 | 11951 | seob5825 | 12007 | seob5889 |
| 11784 | seob5624 | 11840 | seob5692 | 11896 | seob5760 | 11952 | seob5826 | 12008 | seob5890 |
| 11785 | seob5626 | 11841 | seob5693 | 11897 | seob5761 | 11953 | seob5827 | 12009 | seob5891 |
| 11786 | seob5627 | 11842 | seob5695 | 11898 | seob5762 | 11954 | seob5828 | 12010 | seob5892 |
| 11787 | seob5629 | 11843 | seob5696 | 11899 | seob5763 | 11955 | seob5829 | 12011 | seob5893 |
| 11788 | seob5630 | 11844 | seob5700 | 11900 | seob5764 | 11956 | seob5830 | 12012 | seob5894 |
| 11789 | seob5631 | 11845 | seob5701 | 11901 | seob5765 | 11957 | seob5831 | 12013 | seob5895 |
| 11790 | seob5632 | 11846 | seob5702 | 11902 | seob5766 | 11958 | seob5832 | 12014 | seob5896 |
| 11791 | seob5633 | 11847 | seob5703 | 11903 | seob5767 | 11959 | seob5834 | 12015 | seob5897 |
| 11792 | seob5634 | 11848 | seob5705 | 11904 | seob5769 | 11960 | seob5835 | 12016 | seob5899 |
| 11793 | seob5635 | 11849 | seob5706 | 11905 | seob5770 | 11961 | seob5836 | 12017 | seob5900 |
| 11794 | seob5636 | 11850 | seob5707 | 11906 | seob5771 | 11962 | seob5837 | 12018 | seob5902 |
| 11795 | seob5638 | 11851 | seob5708 | 11907 | seob5772 | 11963 | seob5838 | 12019 | seob5903 |
| 11796 | seob5639 | 11852 | seob5709 | 11908 | seob5773 | 11964 | seob5840 | 12020 | seob5904 |
| 11797 | seob5640 | 11853 | seob5710 | 11909 | seob5774 | 11965 | seob5841 | 12021 | seob5905 |
| 11798 | seob5641 | 11854 | seob5711 | 11910 | seob5776 | 11966 | seob5842 | 12022 | seob5906 |
| 11799 | seob5642 | 11855 | seob5714 | 11911 | seob5777 | 11967 | seob5843 | 12023 | seob5908 |
| 11800 | seob5643 | 11856 | seob5715 | 11912 | seob5778 | 11968 | seob5844 | 12024 | seob5909 |
| 11801 | seob5644 | 11857 | seob5716 | 11913 | seob5779 | 11969 | seob5845 | 12025 | seob5910 |
| 11802 | seob5645 | 11858 | seob5717 | 11914 | seob5780 | 11970 | seob5846 | 12026 | seob5911 |
| 11803 | seob5646 | 11859 | seob5718 | 11915 | seob5781 | 11971 | seob5847 | 12027 | seob5914 |
| 11804 | seob5647 | 11860 | seob5720 | 11916 | seob5782 | 11972 | seob5848 | 12028 | seob5915 |
| 11805 | seob5648 | 11861 | seob5721 | 11917 | seob5784 | 11973 | seob5849 | 12029 | seob5917 |
| 11806 | seob5649 | 11862 | seob5723 | 11918 | seob5785 | 11974 | seob5850 | 12030 | seob5919 |
| 11807 | seob5650 | 11863 | seob5724 | 11919 | seob5786 | 11975 | seob5851 | 12031 | seob5921 |
| 11808 | seob5651 | 11864 | seob5725 | 11920 | seob5787 | 11976 | seob5852 | 12032 | seob5922 |
| 11809 | seob5652 | 11865 | seob5726 | 11921 | seob5788 | 11977 | seob5853 | 12033 | seob5924 |
| 11810 | seob5653 | 11866 | seob5727 | 11922 | seob5789 | 11978 | seob5855 | 12034 | seob5925 |
| 11811 | seob5656 | 11867 | seob5728 | 11923 | seob5790 | 11979 | seob5856 | 12035 | seob5926 |
| 11812 | seob5657 | 11868 | seob5730 | 11924 | seob5791 | 11980 | seob5857 | 12036 | seob5927 |
| 11813 | seob5658 | 11869 | seob5731 | 11925 | seob5792 | 11981 | seob5858 | 12037 | seob5929 |
| 11814 | seob5659 | 11870 | seob5733 | 11926 | seob5793 | 11982 | seob5859 | 12038 | seob5930 |
| 11815 | seob5660 | 11871 | seob5734 | 11927 | seob5794 | 11983 | seob5860 | 12039 | seob5931 |
| 11816 | seob5661 | 11872 | seob5735 | 11928 | seob5796 | 11984 | seob5861 | 12040 | seob5932 |

Figure 6E - Continued

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|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|
| 12041 | seob5933 | 12097 | seob5999 | 12153 | seob6062 | 12209 | seob6127 | 12265 | seob6194 |
| 12042 | seob5934 | 12098 | seob6000 | 12154 | seob6064 | 12210 | seob6128 | 12266 | seob6196 |
| 12043 | seob5935 | 12099 | seob6001 | 12155 | seob6066 | 12211 | seob6130 | 12267 | seob6197 |
| 12044 | seob5936 | 12100 | seob6002 | 12156 | seob6067 | 12212 | seob6131 | 12268 | seob6198 |
| 12045 | seob5937 | 12101 | seob6003 | 12157 | seob6068 | 12213 | seob6132 | 12269 | seob6200 |
| 12046 | seob5938 | 12102 | seob6004 | 12158 | seob6069 | 12214 | seob6133 | 12270 | seob6201 |
| 12047 | seob5939 | 12103 | seob6005 | 12159 | seob6072 | 12215 | seob6134 | 12271 | seob6202 |
| 12048 | seob5940 | 12104 | seob6006 | 12160 | seob6073 | 12216 | seob6135 | 12272 | seob6203 |
| 12049 | seob5941 | 12105 | seob6007 | 12161 | seob6074 | 12217 | seob6136 | 12273 | seob6204 |
| 12050 | seob5942 | 12106 | seob6008 | 12162 | seob6075 | 12218 | seob6137 | 12274 | seob6205 |
| 12051 | seob5943 | 12107 | seob6009 | 12163 | seob6076 | 12219 | seob6138 | 12275 | seob6206 |
| 12052 | seob5944 | 12108 | seob6010 | 12164 | seob6077 | 12220 | seob6139 | 12276 | seob6207 |
| 12053 | seob5945 | 12109 | seob6011 | 12165 | seob6078 | 12221 | seob6140 | 12277 | seob6208 |
| 12054 | seob5946 | 12110 | seob6012 | 12166 | seob6079 | 12222 | seob6141 | 12278 | seob6211 |
| 12055 | seob5947 | 12111 | seob6013 | 12167 | seob6080 | 12223 | seob6142 | 12279 | seob6212 |
| 12056 | seob5948 | 12112 | seob6014 | 12168 | seob6081 | 12224 | seob6143 | 12280 | seob6213 |
| 12057 | seob5951 | 12113 | seob6015 | 12169 | seob6082 | 12225 | seob6144 | 12281 | seob6214 |
| 12058 | seob5954 | 12114 | seob6017 | 12170 | seob6084 | 12226 | seob6145 | 12282 | seob6215 |
| 12059 | seob5955 | 12115 | seob6018 | 12171 | seob6085 | 12227 | seob6146 | 12283 | seob6216 |
| 12060 | seob5956 | 12116 | seob6019 | 12172 | seob6086 | 12228 | seob6147 | 12284 | seob6217 |
| 12061 | seob5957 | 12117 | seob6020 | 12173 | seob6087 | 12229 | seob6148 | 12285 | seob6218 |
| 12062 | seob5958 | 12118 | seob6021 | 12174 | seob6088 | 12230 | seob6149 | 12286 | seob6221 |
| 12063 | seob5960 | 12119 | seob6022 | 12175 | seob6089 | 12231 | seob6150 | 12287 | seob6223 |
| 12064 | seob5961 | 12120 | seob6023 | 12176 | seob6090 | 12232 | seob6151 | 12288 | seob6224 |
| 12065 | seob5962 | 12121 | seob6024 | 12177 | seob6091 | 12233 | seob6152 | 12289 | seob6226 |
| 12066 | seob5963 | 12122 | seob6025 | 12178 | seob6092 | 12234 | seob6153 | 12290 | seob6227 |
| 12067 | seob5964 | 12123 | seob6026 | 12179 | seob6093 | 12235 | seob6156 | 12291 | seob6228 |
| 12068 | seob5966 | 12124 | seob6027 | 12180 | seob6094 | 12236 | seob6157 | 12292 | seob6229 |
| 12069 | seob5967 | 12125 | seob6028 | 12181 | seob6095 | 12237 | seob6159 | 12293 | seob6230 |
| 12070 | seob5969 | 12126 | seob6029 | 12182 | seob6096 | 12238 | seob6160 | 12294 | seob6231 |
| 12071 | seob5970 | 12127 | seob6030 | 12183 | seob6097 | 12239 | seob6161 | 12295 | seob6232 |
| 12072 | seob5972 | 12128 | seob6031 | 12184 | seob6098 | 12240 | seob6162 | 12296 | seob6234 |
| 12073 | seob5973 | 12129 | seob6032 | 12185 | seob6099 | 12241 | seob6164 | 12297 | seob6236 |
| 12074 | seob5974 | 12130 | seob6033 | 12186 | seob6100 | 12242 | seob6165 | 12298 | seob6237 |
| 12075 | seob5976 | 12131 | seob6034 | 12187 | seob6101 | 12243 | seob6167 | 12299 | seob6238 |
| 12076 | seob5977 | 12132 | seob6036 | 12188 | seob6102 | 12244 | seob6169 | 12300 | seob6239 |
| 12077 | seob5978 | 12133 | seob6037 | 12189 | seob6103 | 12245 | seob6170 | 12301 | seob6240 |
| 12078 | seob5979 | 12134 | seob6039 | 12190 | seob6104 | 12246 | seob6171 | 12302 | seob6242 |
| 12079 | seob5980 | 12135 | seob6040 | 12191 | seob6105 | 12247 | seob6173 | 12303 | seob6243 |
| 12080 | seob5981 | 12136 | seob6041 | 12192 | seob6106 | 12248 | seob6175 | 12304 | seob6244 |
| 12081 | seob5982 | 12137 | seob6042 | 12193 | seob6107 | 12249 | seob6176 | 12305 | seob6245 |
| 12082 | seob5983 | 12138 | seob6043 | 12194 | seob6108 | 12250 | seob6177 | 12306 | seob6246 |
| 12083 | seob5984 | 12139 | seob6044 | 12195 | seob6109 | 12251 | seob6178 | 12307 | seob6247 |
| 12084 | seob5985 | 12140 | seob6045 | 12196 | seob6111 | 12252 | seob6179 | 12308 | seob6248 |
| 12085 | seob5986 | 12141 | seob6046 | 12197 | seob6112 | 12253 | seob6181 | 12309 | seob6250 |
| 12086 | seob5987 | 12142 | seob6047 | 12198 | seob6113 | 12254 | seob6182 | 12310 | seob6251 |
| 12087 | seob5988 | 12143 | seob6048 | 12199 | seob6114 | 12255 | seob6183 | 12311 | seob6252 |
| 12088 | seob5989 | 12144 | seob6049 | 12200 | seob6115 | 12256 | seob6184 | 12312 | seob6253 |
| 12089 | seob5990 | 12145 | seob6050 | 12201 | seob6116 | 12257 | seob6185 | 12313 | seob6254 |
| 12090 | seob5991 | 12146 | seob6052 | 12202 | seob6117 | 12258 | seob6186 | 12314 | seob6255 |
| 12091 | seob5992 | 12147 | seob6054 | 12203 | seob6119 | 12259 | seob6187 | 12315 | seob6256 |
| 12092 | seob5993 | 12148 | seob6056 | 12204 | seob6120 | 12260 | seob6188 | 12316 | seob6257 |
| 12093 | seob5994 | 12149 | seob6057 | 12205 | seob6122 | 12261 | seob6189 | 12317 | seob6258 |
| 12094 | seob5995 | 12150 | seob6058 | 12206 | seob6123 | 12262 | seob6190 | 12318 | seob6259 |
| 12095 | seob5996 | 12151 | seob6060 | 12207 | seob6125 | 12263 | seob6192 | 12319 | seob6260 |
| 12096 | seob5997 | 12152 | seob6061 | 12208 | seob6126 | 12264 | seob6193 | 12320 | seob6261 |

Figure 6E - Continued

| | | | | | | | | | |
|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|
| 12321 | seob6262 | 12377 | seob6328 | 12433 | seob6402 | 12489 | seob6473 | 12545 | seob6545 |
| 12322 | seob6264 | 12378 | seob6329 | 12434 | seob6403 | 12490 | seob6474 | 12546 | seob6546 |
| 12323 | seob6265 | 12379 | seob6330 | 12435 | seob6405 | 12491 | seob6479 | 12547 | seob6547 |
| 12324 | seob6266 | 12380 | seob6333 | 12436 | seob6407 | 12492 | seob6480 | 12548 | seob6548 |
| 12325 | seob6268 | 12381 | seob6334 | 12437 | seob6408 | 12493 | seob6481 | 12549 | seob6549 |
| 12326 | seob6270 | 12382 | seob6335 | 12438 | seob6409 | 12494 | seob6482 | 12550 | seob6550 |
| 12327 | seob6271 | 12383 | seob6336 | 12439 | seob6410 | 12495 | seob6483 | 12551 | seob6552 |
| 12328 | seob6272 | 12384 | seob6337 | 12440 | seob6411 | 12496 | seob6484 | 12552 | seob6553 |
| 12329 | seob6273 | 12385 | seob6338 | 12441 | seob6412 | 12497 | seob6486 | 12553 | seob6554 |
| 12330 | seob6275 | 12386 | seob6339 | 12442 | seob6413 | 12498 | seob6489 | 12554 | seob6555 |
| 12331 | seob6277 | 12387 | seob6342 | 12443 | seob6414 | 12499 | seob6490 | 12555 | seob6556 |
| 12332 | seob6278 | 12388 | seob6343 | 12444 | seob6415 | 12500 | seob6491 | 12556 | seob6557 |
| 12333 | seob6279 | 12389 | seob6344 | 12445 | seob6416 | 12501 | seob6492 | 12557 | seob6558 |
| 12334 | seob6280 | 12390 | seob6345 | 12446 | seob6417 | 12502 | seob6494 | 12558 | seob6559 |
| 12335 | seob6281 | 12391 | seob6346 | 12447 | seob6418 | 12503 | seob6495 | 12559 | seob6560 |
| 12336 | seob6282 | 12392 | seob6348 | 12448 | seob6419 | 12504 | seob6499 | 12560 | seob6562 |
| 12337 | seob6283 | 12393 | seob6349 | 12449 | seob6422 | 12505 | seob6500 | 12561 | seob6563 |
| 12338 | seob6284 | 12394 | seob6350 | 12450 | seob6424 | 12506 | seob6501 | 12562 | seob6564 |
| 12339 | seob6285 | 12395 | seob6351 | 12451 | seob6425 | 12507 | seob6502 | 12563 | seob6565 |
| 12340 | seob6287 | 12396 | seob6352 | 12452 | seob6426 | 12508 | seob6503 | 12564 | seob6566 |
| 12341 | seob6288 | 12397 | seob6353 | 12453 | seob6427 | 12509 | seob6504 | 12565 | seob6567 |
| 12342 | seob6289 | 12398 | seob6354 | 12454 | seob6428 | 12510 | seob6505 | 12566 | seob6568 |
| 12343 | seob6290 | 12399 | seob6355 | 12455 | seob6429 | 12511 | seob6506 | 12567 | seob6569 |
| 12344 | seob6291 | 12400 | seob6357 | 12456 | seob6431 | 12512 | seob6507 | 12568 | seob6570 |
| 12345 | seob6292 | 12401 | seob6358 | 12457 | seob6432 | 12513 | seob6508 | 12569 | seob6571 |
| 12346 | seob6293 | 12402 | seob6360 | 12458 | seob6433 | 12514 | seob6510 | 12570 | seob6572 |
| 12347 | seob6294 | 12403 | seob6361 | 12459 | seob6434 | 12515 | seob6511 | 12571 | seob6573 |
| 12348 | seob6295 | 12404 | seob6363 | 12460 | seob6435 | 12516 | seob6512 | 12572 | seob6574 |
| 12349 | seob6296 | 12405 | seob6364 | 12461 | seob6436 | 12517 | seob6513 | 12573 | seob6575 |
| 12350 | seob6297 | 12406 | seob6368 | 12462 | seob6437 | 12518 | seob6514 | 12574 | seob6576 |
| 12351 | seob6298 | 12407 | seob6370 | 12463 | seob6438 | 12519 | seob6515 | 12575 | seob6577 |
| 12352 | seob6299 | 12408 | seob6371 | 12464 | seob6439 | 12520 | seob6516 | 12576 | seob6579 |
| 12353 | seob6301 | 12409 | seob6372 | 12465 | seob6440 | 12521 | seob6517 | 12577 | seob6580 |
| 12354 | seob6302 | 12410 | seob6373 | 12466 | seob6441 | 12522 | seob6519 | 12578 | seob6581 |
| 12355 | seob6303 | 12411 | seob6374 | 12467 | seob6444 | 12523 | seob6520 | 12579 | seob6582 |
| 12356 | seob6305 | 12412 | seob6376 | 12468 | seob6446 | 12524 | seob6521 | 12580 | seob6583 |
| 12357 | seob6306 | 12413 | seob6377 | 12469 | seob6448 | 12525 | seob6522 | 12581 | seob6584 |
| 12358 | seob6307 | 12414 | seob6378 | 12470 | seob6449 | 12526 | seob6524 | 12582 | seob6585 |
| 12359 | seob6308 | 12415 | seob6379 | 12471 | seob6450 | 12527 | seob6525 | 12583 | seob6586 |
| 12360 | seob6309 | 12416 | seob6380 | 12472 | seob6451 | 12528 | seob6526 | 12584 | seob6587 |
| 12361 | seob6310 | 12417 | seob6381 | 12473 | seob6453 | 12529 | seob6527 | 12585 | seob6588 |
| 12362 | seob6311 | 12418 | seob6382 | 12474 | seob6454 | 12530 | seob6528 | 12586 | seob6589 |
| 12363 | seob6312 | 12419 | seob6383 | 12475 | seob6455 | 12531 | seob6530 | 12587 | seob6590 |
| 12364 | seob6313 | 12420 | seob6384 | 12476 | seob6456 | 12532 | seob6532 | 12588 | seob6591 |
| 12365 | seob6314 | 12421 | seob6386 | 12477 | seob6457 | 12533 | seob6533 | 12589 | seob6592 |
| 12366 | seob6315 | 12422 | seob6387 | 12478 | seob6458 | 12534 | seob6534 | 12590 | seob6593 |
| 12367 | seob6316 | 12423 | seob6389 | 12479 | seob6460 | 12535 | seob6535 | 12591 | seob6595 |
| 12368 | seob6318 | 12424 | seob6390 | 12480 | seob6462 | 12536 | seob6536 | 12592 | seob6596 |
| 12369 | seob6319 | 12425 | seob6391 | 12481 | seob6463 | 12537 | seob6537 | 12593 | seob6597 |
| 12370 | seob6320 | 12426 | seob6393 | 12482 | seob6464 | 12538 | seob6538 | 12594 | seob6598 |
| 12371 | seob6321 | 12427 | seob6395 | 12483 | seob6465 | 12539 | seob6539 | 12595 | seob6599 |
| 12372 | seob6322 | 12428 | seob6396 | 12484 | seob6467 | 12540 | seob6540 | 12596 | seob6600 |
| 12373 | seob6323 | 12429 | seob6397 | 12485 | seob6469 | 12541 | seob6541 | 12597 | seob6601 |
| 12374 | seob6324 | 12430 | seob6398 | 12486 | seob6470 | 12542 | seob6542 | 12598 | seob6602 |
| 12375 | seob6325 | 12431 | seob6399 | 12487 | seob6471 | 12543 | seob6543 | 12599 | seob6603 |
| 12376 | seob6327 | 12432 | seob6401 | 12488 | seob6472 | 12544 | seob6544 | 12600 | seob6605 |

Figure 6E - Continued

| | | | | | | | | | |
|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|
| 12601 | seob6606 | 12657 | seob6669 | 12713 | seob6737 | 12769 | seob6799 | 12825 | seob6863 |
| 12602 | seob6607 | 12658 | seob6670 | 12714 | seob6738 | 12770 | seob6800 | 12826 | seob6864 |
| 12603 | seob6608 | 12659 | seob6671 | 12715 | seob6739 | 12771 | seob6801 | 12827 | seob6865 |
| 12604 | seob6609 | 12660 | seob6674 | 12716 | seob6741 | 12772 | seob6802 | 12828 | seob6868 |
| 12605 | seob6611 | 12661 | seob6675 | 12717 | seob6742 | 12773 | seob6803 | 12829 | seob6869 |
| 12606 | seob6612 | 12662 | seob6676 | 12718 | seob6744 | 12774 | seob6805 | 12830 | seob6870 |
| 12607 | seob6613 | 12663 | seob6678 | 12719 | seob6745 | 12775 | seob6806 | 12831 | seob6871 |
| 12608 | seob6614 | 12664 | seob6679 | 12720 | seob6746 | 12776 | seob6807 | 12832 | seob6872 |
| 12609 | seob6616 | 12665 | seob6680 | 12721 | seob6747 | 12777 | seob6808 | 12833 | seob6873 |
| 12610 | seob6617 | 12666 | seob6681 | 12722 | seob6748 | 12778 | seob6809 | 12834 | seob6874 |
| 12611 | seob6618 | 12667 | seob6682 | 12723 | seob6749 | 12779 | seob6812 | 12835 | seob6875 |
| 12612 | seob6619 | 12668 | seob6683 | 12724 | seob6751 | 12780 | seob6813 | 12836 | seob6876 |
| 12613 | seob6622 | 12669 | seob6685 | 12725 | seob6752 | 12781 | seob6814 | 12837 | seob6877 |
| 12614 | seob6623 | 12670 | seob6686 | 12726 | seob6754 | 12782 | seob6816 | 12838 | seob6878 |
| 12615 | seob6624 | 12671 | seob6687 | 12727 | seob6755 | 12783 | seob6817 | 12839 | seob6879 |
| 12616 | seob6625 | 12672 | seob6688 | 12728 | seob6756 | 12784 | seob6818 | 12840 | seob6880 |
| 12617 | seob6626 | 12673 | seob6689 | 12729 | seob6757 | 12785 | seob6820 | 12841 | seob6881 |
| 12618 | seob6627 | 12674 | seob6690 | 12730 | seob6758 | 12786 | seob6821 | 12842 | seob6882 |
| 12619 | seob6628 | 12675 | seob6691 | 12731 | seob6759 | 12787 | seob6822 | 12843 | seob6883 |
| 12620 | seob6629 | 12676 | seob6692 | 12732 | seob6762 | 12788 | seob6823 | 12844 | seob6884 |
| 12621 | seob6630 | 12677 | seob6693 | 12733 | seob6763 | 12789 | seob6824 | 12845 | seob6886 |
| 12622 | seob6631 | 12678 | seob6694 | 12734 | seob6764 | 12790 | seob6826 | 12846 | seob6887 |
| 12623 | seob6632 | 12679 | seob6695 | 12735 | seob6765 | 12791 | seob6827 | 12847 | seob6889 |
| 12624 | seob6633 | 12680 | seob6696 | 12736 | seob6766 | 12792 | seob6828 | 12848 | seob6890 |
| 12625 | seob6635 | 12681 | seob6697 | 12737 | seob6767 | 12793 | seob6829 | 12849 | seob6891 |
| 12626 | seob6636 | 12682 | seob6699 | 12738 | seob6768 | 12794 | seob6830 | 12850 | seob6892 |
| 12627 | seob6637 | 12683 | seob6700 | 12739 | seob6769 | 12795 | seob6832 | 12851 | seob6893 |
| 12628 | seob6638 | 12684 | seob6701 | 12740 | seob6770 | 12796 | seob6833 | 12852 | seob6894 |
| 12629 | seob6639 | 12685 | seob6703 | 12741 | seob6771 | 12797 | seob6834 | 12853 | seob6895 |
| 12630 | seob6640 | 12686 | seob6704 | 12742 | seob6772 | 12798 | seob6835 | 12854 | seob6897 |
| 12631 | seob6641 | 12687 | seob6705 | 12743 | seob6773 | 12799 | seob6836 | 12855 | seob6898 |
| 12632 | seob6642 | 12688 | seob6707 | 12744 | seob6774 | 12800 | seob6837 | 12856 | seob6899 |
| 12633 | seob6643 | 12689 | seob6708 | 12745 | seob6775 | 12801 | seob6838 | 12857 | seob6900 |
| 12634 | seob6644 | 12690 | seob6710 | 12746 | seob6776 | 12802 | seob6840 | 12858 | seob6901 |
| 12635 | seob6645 | 12691 | seob6711 | 12747 | seob6777 | 12803 | seob6841 | 12859 | seob6902 |
| 12636 | seob6646 | 12692 | seob6713 | 12748 | seob6778 | 12804 | seob6842 | 12860 | seob6904 |
| 12637 | seob6647 | 12693 | seob6714 | 12749 | seob6779 | 12805 | seob6843 | 12861 | seob6905 |
| 12638 | seob6648 | 12694 | seob6716 | 12750 | seob6780 | 12806 | seob6844 | 12862 | seob7002 |
| 12639 | seob6649 | 12695 | seob6717 | 12751 | seob6781 | 12807 | seob6845 | 12863 | seob7003 |
| 12640 | seob6650 | 12696 | seob6718 | 12752 | seob6782 | 12808 | seob6846 | 12864 | seob7004 |
| 12641 | seob6651 | 12697 | seob6720 | 12753 | seob6783 | 12809 | seob6847 | 12865 | seob7005 |
| 12642 | seob6652 | 12698 | seob6721 | 12754 | seob6784 | 12810 | seob6848 | 12866 | seob7006 |
| 12643 | seob6653 | 12699 | seob6722 | 12755 | seob6785 | 12811 | seob6849 | 12867 | seob7007 |
| 12644 | seob6654 | 12700 | seob6723 | 12756 | seob6786 | 12812 | seob6850 | 12868 | seob7008 |
| 12645 | seob6655 | 12701 | seob6724 | 12757 | seob6787 | 12813 | seob6851 | 12869 | seob7010 |
| 12646 | seob6656 | 12702 | seob6725 | 12758 | seob6788 | 12814 | seob6852 | 12870 | seob7011 |
| 12647 | seob6658 | 12703 | seob6726 | 12759 | seob6789 | 12815 | seob6853 | 12871 | seob7012 |
| 12648 | seob6659 | 12704 | seob6727 | 12760 | seob6790 | 12816 | seob6854 | 12872 | seob7013 |
| 12649 | seob6660 | 12705 | seob6728 | 12761 | seob6791 | 12817 | seob6855 | 12873 | seob7014 |
| 12650 | seob6661 | 12706 | seob6729 | 12762 | seob6792 | 12818 | seob6856 | 12874 | seob7015 |
| 12651 | seob6662 | 12707 | seob6730 | 12763 | seob6793 | 12819 | seob6857 | 12875 | seob7016 |
| 12652 | seob6663 | 12708 | seob6731 | 12764 | seob6794 | 12820 | seob6858 | 12876 | seob7017 |
| 12653 | seob6664 | 12709 | seob6732 | 12765 | seob6795 | 12821 | seob6859 | 12877 | seob7019 |
| 12654 | seob6665 | 12710 | seob6733 | 12766 | seob6796 | 12822 | seob6860 | 12878 | seob7020 |
| 12655 | seob6667 | 12711 | seob6734 | 12767 | seob6797 | 12823 | seob6861 | 12879 | seob7021 |
| 12656 | seob6668 | 12712 | seob6736 | 12768 | seob6798 | 12824 | seob6862 | 12880 | seob7022 |

Figure 6E – Continued

| | | | | | | | | | |
|-------|-----------|-------|-----------|-------|----------|-------|----------|-------|----------|
| 12881 | seob7023 | 12937 | seob7088 | 12993 | seob7162 | 13049 | seob7239 | 13105 | seob7314 |
| 12882 | seob7024 | 12938 | seob7089 | 12994 | seob7163 | 13050 | seob7240 | 13106 | seob7315 |
| 12883 | seob7025 | 12939 | seob7091 | 12995 | seob7164 | 13051 | seob7241 | 13107 | seob7317 |
| 12884 | seob7026 | 12940 | seob7093 | 12996 | seob7165 | 13052 | seob7243 | 13108 | seob7318 |
| 12885 | seob7027 | 12941 | seob7094 | 12997 | seob7166 | 13053 | seob7244 | 13109 | seob7320 |
| 12886 | seob7028 | 12942 | seob7095 | 12998 | seob7167 | 13054 | seob7245 | 13110 | seob7321 |
| 12887 | seob7030 | 12943 | seob7096 | 12999 | seob7169 | 13055 | seob7246 | 13111 | seob7322 |
| 12888 | seob7031 | 12944 | seob7097 | 13000 | seob7171 | 13056 | seob7247 | 13112 | seob7324 |
| 12889 | seob7032 | 12945 | seob7098 | 13001 | seob7172 | 13057 | seob7248 | 13113 | seob7326 |
| 12890 | seob7033 | 12946 | seob7099 | 13002 | seob7173 | 13058 | seob7249 | 13114 | seob7327 |
| 12891 | seob7035 | 12947 | seob7100 | 13003 | seob7175 | 13059 | seob7250 | 13115 | seob7328 |
| 12892 | seob7036 | 12948 | seob7101 | 13004 | seob7176 | 13060 | seob7251 | 13116 | seob7329 |
| 12893 | seob7037 | 12949 | seob7102 | 13005 | seob7177 | 13061 | seob7252 | 13117 | seob7330 |
| 12894 | seob7038n | 12950 | seob7103n | 13006 | seob7179 | 13062 | seob7253 | 13118 | seob7331 |
| 12895 | seob7039 | 12951 | seob7104 | 13007 | seob7180 | 13063 | seob7254 | 13119 | seob7332 |
| 12896 | seob7040 | 12952 | seob7105 | 13008 | seob7182 | 13064 | seob7255 | 13120 | seob7333 |
| 12897 | seob7041 | 12953 | seob7107 | 13009 | seob7184 | 13065 | seob7256 | 13121 | seob7334 |
| 12898 | seob7042 | 12954 | seob7108 | 13010 | seob7185 | 13066 | seob7257 | 13122 | seob7335 |
| 12899 | seob7043 | 12955 | seob7110 | 13011 | seob7186 | 13067 | seob7258 | 13123 | seob7336 |
| 12900 | seob7044 | 12956 | seob7111 | 13012 | seob7187 | 13068 | seob7259 | 13124 | seob7337 |
| 12901 | seob7045 | 12957 | seob7112 | 13013 | seob7188 | 13069 | seob7261 | 13125 | seob7338 |
| 12902 | seob7046 | 12958 | seob7114 | 13014 | seob7189 | 13070 | seob7262 | 13126 | seob7339 |
| 12903 | seob7047 | 12959 | seob7115 | 13015 | seob7190 | 13071 | seob7263 | 13127 | seob7340 |
| 12904 | seob7049 | 12960 | seob7117 | 13016 | seob7191 | 13072 | seob7264 | 13128 | seob7341 |
| 12905 | seob7050 | 12961 | seob7118 | 13017 | seob7193 | 13073 | seob7265 | 13129 | seob7342 |
| 12906 | seob7051 | 12962 | seob7119 | 13018 | seob7194 | 13074 | seob7266 | 13130 | seob7345 |
| 12907 | seob7052 | 12963 | seob7120 | 13019 | seob7196 | 13075 | seob7273 | 13131 | seob7346 |
| 12908 | seob7053 | 12964 | seob7123 | 13020 | seob7199 | 13076 | seob7274 | 13132 | seob7347 |
| 12909 | seob7055 | 12965 | seob7124 | 13021 | seob7200 | 13077 | seob7275 | 13133 | seob7348 |
| 12910 | seob7056 | 12966 | seob7125 | 13022 | seob7201 | 13078 | seob7277 | 13134 | seob7349 |
| 12911 | seob7057 | 12967 | seob7126 | 13023 | seob7202 | 13079 | seob7278 | 13135 | seob7350 |
| 12912 | seob7058 | 12968 | seob7127 | 13024 | seob7203 | 13080 | seob7282 | 13136 | seob7351 |
| 12913 | seob7060 | 12969 | seob7128 | 13025 | seob7205 | 13081 | seob7284 | 13137 | seob7352 |
| 12914 | seob7061 | 12970 | seob7129 | 13026 | seob7207 | 13082 | seob7285 | 13138 | seob7354 |
| 12915 | seob7062 | 12971 | seob7130 | 13027 | seob7208 | 13083 | seob7286 | 13139 | seob7355 |
| 12916 | seob7063 | 12972 | seob7131 | 13028 | seob7209 | 13084 | seob7287 | 13140 | seob7356 |
| 12917 | seob7064 | 12973 | seob7132 | 13029 | seob7210 | 13085 | seob7288 | 13141 | seob7357 |
| 12918 | seob7065 | 12974 | seob7135 | 13030 | seob7212 | 13086 | seob7289 | 13142 | seob7358 |
| 12919 | seob7067 | 12975 | seob7136 | 13031 | seob7213 | 13087 | seob7290 | 13143 | seob7360 |
| 12920 | seob7068 | 12976 | seob7138 | 13032 | seob7216 | 13088 | seob7292 | 13144 | seob7361 |
| 12921 | seob7069 | 12977 | seob7139 | 13033 | seob7217 | 13089 | seob7293 | 13145 | seob7362 |
| 12922 | seob7070 | 12978 | seob7140 | 13034 | seob7218 | 13090 | seob7294 | 13146 | seob7364 |
| 12923 | seob7071 | 12979 | seob7143 | 13035 | seob7220 | 13091 | seob7296 | 13147 | seob7365 |
| 12924 | seob7072 | 12980 | seob7144 | 13036 | seob7222 | 13092 | seob7297 | 13148 | seob7366 |
| 12925 | seob7073 | 12981 | seob7148 | 13037 | seob7224 | 13093 | seob7298 | 13149 | seob7367 |
| 12926 | seob7074 | 12982 | seob7151 | 13038 | seob7225 | 13094 | seob7301 | 13150 | seob7368 |
| 12927 | seob7075 | 12983 | seob7152 | 13039 | seob7226 | 13095 | seob7302 | 13151 | seob7369 |
| 12928 | seob7076 | 12984 | seob7153 | 13040 | seob7227 | 13096 | seob7304 | 13152 | seob7370 |
| 12929 | seob7077 | 12985 | seob7154 | 13041 | seob7228 | 13097 | seob7305 | 13153 | seob7373 |
| 12930 | seob7078 | 12986 | seob7155 | 13042 | seob7229 | 13098 | seob7306 | 13154 | seob7374 |
| 12931 | seob7079 | 12987 | seob7156 | 13043 | seob7231 | 13099 | seob7307 | 13155 | seob7375 |
| 12932 | seob7081 | 12988 | seob7157 | 13044 | seob7232 | 13100 | seob7308 | 13156 | seob7376 |
| 12933 | seob7082 | 12989 | seob7158 | 13045 | seob7233 | 13101 | seob7309 | 13157 | seob7377 |
| 12934 | seob7083 | 12990 | seob7159 | 13046 | seob7234 | 13102 | seob7310 | 13158 | seob7378 |
| 12935 | seob7086 | 12991 | seob7160 | 13047 | seob7235 | 13103 | seob7311 | 13159 | seob7379 |
| 12936 | seob7087 | 12992 | seob7161 | 13048 | seob7237 | 13104 | seob7313 | 13160 | seob7380 |

Figure 6E - Continued

| | | | | | | | | | |
|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|
| 13161 | seob7381 | 13217 | seob7443 | 13273 | seob7512 | 13329 | seob7577 | 13385 | seob7645 |
| 13162 | seob7382 | 13218 | seob7444 | 13274 | seob7514 | 13330 | seob7578 | 13386 | seob7646 |
| 13163 | seob7383 | 13219 | seob7445 | 13275 | seob7515 | 13331 | seob7580 | 13387 | seob7647 |
| 13164 | seob7384 | 13220 | seob7446 | 13276 | seob7516 | 13332 | seob7581 | 13388 | seob7648 |
| 13165 | seob7385 | 13221 | seob7447 | 13277 | seob7517 | 13333 | seob7582 | 13389 | seob7649 |
| 13166 | seob7388 | 13222 | seob7448 | 13278 | seob7518 | 13334 | seob7584 | 13390 | seob7651 |
| 13167 | seob7389 | 13223 | seob7449 | 13279 | seob7519 | 13335 | seob7585 | 13391 | seob7652 |
| 13168 | seob7390 | 13224 | seob7450 | 13280 | seob7521 | 13336 | seob7586 | 13392 | seob7653 |
| 13169 | seob7392 | 13225 | seob7451 | 13281 | seob7523 | 13337 | seob7588 | 13393 | seob7654 |
| 13170 | seob7393 | 13226 | seob7452 | 13282 | seob7524 | 13338 | seob7589 | 13394 | seob7655 |
| 13171 | seob7394 | 13227 | seob7454 | 13283 | seob7525 | 13339 | seob7590 | 13395 | seob7656 |
| 13172 | seob7396 | 13228 | seob7457 | 13284 | seob7527 | 13340 | seob7591 | 13396 | seob7658 |
| 13173 | seob7397 | 13229 | seob7458 | 13285 | seob7528 | 13341 | seob7592 | 13397 | seob7659 |
| 13174 | seob7398 | 13230 | seob7459 | 13286 | seob7529 | 13342 | seob7593 | 13398 | seob7660 |
| 13175 | seob7399 | 13231 | seob7460 | 13287 | seob7530 | 13343 | seob7594 | 13399 | seob7661 |
| 13176 | seob7400 | 13232 | seob7461 | 13288 | seob7531 | 13344 | seob7595 | 13400 | seob7662 |
| 13177 | seob7401 | 13233 | seob7462 | 13289 | seob7532 | 13345 | seob7596 | 13401 | seob7663 |
| 13178 | seob7402 | 13234 | seob7463 | 13290 | seob7533 | 13346 | seob7597 | 13402 | seob7664 |
| 13179 | seob7403 | 13235 | seob7464 | 13291 | seob7534 | 13347 | seob7600 | 13403 | seob7665 |
| 13180 | seob7404 | 13236 | seob7465 | 13292 | seob7535 | 13348 | seob7601 | 13404 | seob7666 |
| 13181 | seob7405 | 13237 | seob7466 | 13293 | seob7536 | 13349 | seob7602 | 13405 | seob7667 |
| 13182 | seob7406 | 13238 | seob7467 | 13294 | seob7537 | 13350 | seob7603 | 13406 | seob7668 |
| 13183 | seob7407 | 13239 | seob7469 | 13295 | seob7538 | 13351 | seob7604 | 13407 | seob7669 |
| 13184 | seob7408 | 13240 | seob7470 | 13296 | seob7539 | 13352 | seob7608 | 13408 | seob7670 |
| 13185 | seob7409 | 13241 | seob7471 | 13297 | seob7540 | 13353 | seob7610 | 13409 | seob7674 |
| 13186 | seob7410 | 13242 | seob7472 | 13298 | seob7541 | 13354 | seob7611 | 13410 | seob7675 |
| 13187 | seob7411 | 13243 | seob7473 | 13299 | seob7543 | 13355 | seob7612 | 13411 | seob7678 |
| 13188 | seob7412 | 13244 | seob7474 | 13300 | seob7544 | 13356 | seob7613 | 13412 | seob7679 |
| 13189 | seob7413 | 13245 | seob7475 | 13301 | seob7545 | 13357 | seob7614 | 13413 | seob7680 |
| 13190 | seob7414 | 13246 | seob7476 | 13302 | seob7546 | 13358 | seob7615 | 13414 | seob7681 |
| 13191 | seob7416 | 13247 | seob7477 | 13303 | seob7547 | 13359 | seob7617 | 13415 | seob7682 |
| 13192 | seob7417 | 13248 | seob7478 | 13304 | seob7548 | 13360 | seob7618 | 13416 | seob7684 |
| 13193 | seob7418 | 13249 | seob7479 | 13305 | seob7549 | 13361 | seob7619 | 13417 | seob7685 |
| 13194 | seob7419 | 13250 | seob7482 | 13306 | seob7550 | 13362 | seob7620 | 13418 | seob7686 |
| 13195 | seob7420 | 13251 | seob7484 | 13307 | seob7551 | 13363 | seob7621 | 13419 | seob7687 |
| 13196 | seob7421 | 13252 | seob7485 | 13308 | seob7552 | 13364 | seob7622 | 13420 | seob7689 |
| 13197 | seob7422 | 13253 | seob7486 | 13309 | seob7553 | 13365 | seob7623 | 13421 | seob7691 |
| 13198 | seob7423 | 13254 | seob7488 | 13310 | seob7554 | 13366 | seob7624 | 13422 | seob7692 |
| 13199 | seob7424 | 13255 | seob7490 | 13311 | seob7555 | 13367 | seob7625 | 13423 | seob7693 |
| 13200 | seob7425 | 13256 | seob7492 | 13312 | seob7556 | 13368 | seob7626 | 13424 | seob7694 |
| 13201 | seob7427 | 13257 | seob7493 | 13313 | seob7557 | 13369 | seob7627 | 13425 | seob7695 |
| 13202 | seob7428 | 13258 | seob7494 | 13314 | seob7558 | 13370 | seob7629 | 13426 | seob7696 |
| 13203 | seob7429 | 13259 | seob7495 | 13315 | seob7561 | 13371 | seob7630 | 13427 | seob7698 |
| 13204 | seob7430 | 13260 | seob7497 | 13316 | seob7562 | 13372 | seob7631 | 13428 | seob7699 |
| 13205 | seob7431 | 13261 | seob7498 | 13317 | seob7563 | 13373 | seob7632 | 13429 | seob7701 |
| 13206 | seob7432 | 13262 | seob7499 | 13318 | seob7564 | 13374 | seob7633 | 13430 | seob7702 |
| 13207 | seob7433 | 13263 | seob7500 | 13319 | seob7566 | 13375 | seob7634 | 13431 | seob7703 |
| 13208 | seob7434 | 13264 | seob7501 | 13320 | seob7567 | 13376 | seob7635 | 13432 | seob7704 |
| 13209 | seob7435 | 13265 | seob7502 | 13321 | seob7568 | 13377 | seob7636 | 13433 | seob7705 |
| 13210 | seob7436 | 13266 | seob7504 | 13322 | seob7569 | 13378 | seob7637 | 13434 | seob7706 |
| 13211 | seob7437 | 13267 | seob7505 | 13323 | seob7570 | 13379 | seob7638 | 13435 | seob7707 |
| 13212 | seob7438 | 13268 | seob7506 | 13324 | seob7571 | 13380 | seob7639 | 13436 | seob7709 |
| 13213 | seob7439 | 13269 | seob7507 | 13325 | seob7572 | 13381 | seob7640 | 13437 | seob7710 |
| 13214 | seob7440 | 13270 | seob7508 | 13326 | seob7573 | 13382 | seob7641 | 13438 | seob7711 |
| 13215 | seob7441 | 13271 | seob7509 | 13327 | seob7575 | 13383 | seob7642 | 13439 | seob7712 |
| 13216 | seob7442 | 13272 | seob7510 | 13328 | seob7576 | 13384 | seob7643 | 13440 | seob7714 |

Figure 6E – Continued

| | | | | | | | | | |
|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|
| 13441 | seob7715 | 13497 | seob7886 | 13553 | seob7953 | 13609 | seob8024 | 13665 | seob8097 |
| 13442 | seob7720 | 13498 | seob7887 | 13554 | seob7954 | 13610 | seob8025 | 13666 | seob8099 |
| 13443 | seob7722 | 13499 | seob7888 | 13555 | seob7955 | 13611 | seob8026 | 13667 | seob8100 |
| 13444 | seob7723 | 13500 | seob7889 | 13556 | seob7956 | 13612 | seob8027 | 13668 | seob8101 |
| 13445 | seob7724 | 13501 | seob7890 | 13557 | seob7957 | 13613 | seob8028 | 13669 | seob8102 |
| 13446 | seob7726 | 13502 | seob7891 | 13558 | seob7958 | 13614 | seob8029 | 13670 | seob8104 |
| 13447 | seob7728 | 13503 | seob7893 | 13559 | seob7960 | 13615 | seob8030 | 13671 | seob8106 |
| 13448 | seob7729 | 13504 | seob7895 | 13560 | seob7962 | 13616 | seob8031 | 13672 | seob8107 |
| 13449 | seob7730 | 13505 | seob7896 | 13561 | seob7965 | 13617 | seob8032 | 13673 | seob8108 |
| 13450 | seob7732 | 13506 | seob7897 | 13562 | seob7966 | 13618 | seob8034 | 13674 | seob8110 |
| 13451 | seob7733 | 13507 | seob7898 | 13563 | seob7968 | 13619 | seob8035 | 13675 | seob8129 |
| 13452 | seob7737 | 13508 | seob7899 | 13564 | seob7969 | 13620 | seob8037 | 13676 | seob8130 |
| 13453 | seob7738 | 13509 | seob7900 | 13565 | seob7970 | 13621 | seob8039 | 13677 | seob8132 |
| 13454 | seob7739 | 13510 | seob7901 | 13566 | seob7972 | 13622 | seob8040 | 13678 | seob8135 |
| 13455 | seob7740 | 13511 | seob7902 | 13567 | seob7973 | 13623 | seob8041 | 13679 | seob8138 |
| 13456 | seob7741 | 13512 | seob7903 | 13568 | seob7974 | 13624 | seob8042 | 13680 | seob8140 |
| 13457 | seob7742 | 13513 | seob7905 | 13569 | seob7975 | 13625 | seob8044 | 13681 | seob8141 |
| 13458 | seob7743 | 13514 | seob7906 | 13570 | seob7977 | 13626 | seob8045 | 13682 | seob8154 |
| 13459 | seob7744 | 13515 | seob7907 | 13571 | seob7978 | 13627 | seob8046 | 13683 | seob8155 |
| 13460 | seob7745 | 13516 | seob7908 | 13572 | seob7979 | 13628 | seob8047 | 13684 | seob8157 |
| 13461 | seob7746 | 13517 | seob7909 | 13573 | seob7980 | 13629 | seob8048 | 13685 | seob8158 |
| 13462 | seob7747 | 13518 | seob7910 | 13574 | seob7981 | 13630 | seob8051 | 13686 | seob8159 |
| 13463 | seob7748 | 13519 | seob7911 | 13575 | seob7982 | 13631 | seob8052 | 13687 | seob8160 |
| 13464 | seob7749 | 13520 | seob7912 | 13576 | seob7983 | 13632 | seob8053 | 13688 | seob8161 |
| 13465 | seob7750 | 13521 | seob7915 | 13577 | seob7984 | 13633 | seob8054 | 13689 | seob8162 |
| 13466 | seob7751 | 13522 | seob7916 | 13578 | seob7986 | 13634 | seob8055 | 13690 | seob8163 |
| 13467 | seob7752 | 13523 | seob7917 | 13579 | seob7987 | 13635 | seob8060 | 13691 | seob8164 |
| 13468 | seob7753 | 13524 | seob7918 | 13580 | seob7989 | 13636 | seob8063 | 13692 | seob8166 |
| 13469 | seob7754 | 13525 | seob7919 | 13581 | seob7990 | 13637 | seob8065 | 13693 | seob8167 |
| 13470 | seob7755 | 13526 | seob7920 | 13582 | seob7992 | 13638 | seob8066 | 13694 | seob8168 |
| 13471 | seob7756 | 13527 | seob7921 | 13583 | seob7993 | 13639 | seob8067 | 13695 | seob8169 |
| 13472 | seob7757 | 13528 | seob7923 | 13584 | seob7994 | 13640 | seob8068 | 13696 | seob8171 |
| 13473 | seob7758 | 13529 | seob7924 | 13585 | seob7995 | 13641 | seob8069 | 13697 | seob8172 |
| 13474 | seob7759 | 13530 | seob7926 | 13586 | seob7996 | 13642 | seob8071 | 13698 | seob8173 |
| 13475 | seob7760 | 13531 | seob7928 | 13587 | seob7998 | 13643 | seob8072 | 13699 | seob8174 |
| 13476 | seob7763 | 13532 | seob7929 | 13588 | seob7999 | 13644 | seob8073 | 13700 | seob8176 |
| 13477 | seob7764 | 13533 | seob7930 | 13589 | seob8000 | 13645 | seob8076 | 13701 | seob8177 |
| 13478 | seob7765 | 13534 | seob7931 | 13590 | seob8001 | 13646 | seob8077 | 13702 | seob8178 |
| 13479 | seob7766 | 13535 | seob7933 | 13591 | seob8002 | 13647 | seob8078 | 13703 | seob8179 |
| 13480 | seob7769 | 13536 | seob7934 | 13592 | seob8004 | 13648 | seob8079 | 13704 | seob8180 |
| 13481 | seob7866 | 13537 | seob7935 | 13593 | seob8006 | 13649 | seob8080 | 13705 | seob8181 |
| 13482 | seob7868 | 13538 | seob7936 | 13594 | seob8007 | 13650 | seob8081 | 13706 | seob8182 |
| 13483 | seob7869 | 13539 | seob7937 | 13595 | seob8008 | 13651 | seob8082 | 13707 | seob8184 |
| 13484 | seob7870 | 13540 | seob7938 | 13596 | seob8009 | 13652 | seob8083 | 13708 | seob8185 |
| 13485 | seob7871 | 13541 | seob7939 | 13597 | seob8010 | 13653 | seob8084 | 13709 | seob8186 |
| 13486 | seob7872 | 13542 | seob7940 | 13598 | seob8011 | 13654 | seob8085 | 13710 | seob8187 |
| 13487 | seob7873 | 13543 | seob7941 | 13599 | seob8012 | 13655 | seob8086 | 13711 | seob8188 |
| 13488 | seob7874 | 13544 | seob7942 | 13600 | seob8013 | 13656 | seob8087 | 13712 | seob8189 |
| 13489 | seob7875 | 13545 | seob7944 | 13601 | seob8015 | 13657 | seob8088 | 13713 | seob8190 |
| 13490 | seob7876 | 13546 | seob7945 | 13602 | seob8016 | 13658 | seob8089 | 13714 | seob8191 |
| 13491 | seob7877 | 13547 | seob7946 | 13603 | seob8017 | 13659 | seob8090 | 13715 | seob8192 |
| 13492 | seob7878 | 13548 | seob7947 | 13604 | seob8018 | 13660 | seob8092 | 13716 | seob8193 |
| 13493 | seob7879 | 13549 | seob7948 | 13605 | seob8019 | 13661 | seob8093 | 13717 | seob8194 |
| 13494 | seob7880 | 13550 | seob7949 | 13606 | seob8020 | 13662 | seob8094 | 13718 | seob8196 |
| 13495 | seob7883 | 13551 | seob7951 | 13607 | seob8021 | 13663 | seob8095 | 13719 | seob8198 |
| 13496 | seob7885 | 13552 | seob7952 | 13608 | seob8022 | 13664 | seob8096 | 13720 | seob8200 |

Figure 6E – Continued

| | | | | | | | | | |
|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|
| 13721 | seob8202 | 13777 | seob8269 | 13833 | seob8341 | 13889 | SOA0101 | 13945 | soa0230n |
| 13722 | seob8204 | 13778 | seob8271 | 13834 | seob8343 | 13890 | SOA0103 | 13946 | SOA0231 |
| 13723 | seob8205 | 13779 | seob8275 | 13835 | seob8344 | 13891 | SOA0105 | 13947 | SOA0233 |
| 13724 | seob8207 | 13780 | seob8276 | 13836 | seob8345 | 13892 | SOA0107 | 13948 | SOA0234 |
| 13725 | seob8208 | 13781 | seob8277 | 13837 | soa0001n | 13893 | SOA0109 | 13949 | SOA0236 |
| 13726 | seob8209 | 13782 | seob8278 | 13838 | SOA0002 | 13894 | soa0111n | 13950 | soa0237n |
| 13727 | seob8210 | 13783 | seob8279 | 13839 | soa0004n | 13895 | SOA0116 | 13951 | SOA0239 |
| 13728 | seob8211 | 13784 | seob8280 | 13840 | soa0005n | 13896 | SOA0117 | 13952 | soa0240n |
| 13729 | seob8212 | 13785 | seob8281 | 13841 | soa0006n | 13897 | SOA0121 | 13953 | SOA0241 |
| 13730 | seob8214 | 13786 | seob8282 | 13842 | soa0007n | 13898 | SOA0122 | 13954 | SOA0242 |
| 13731 | seob8215 | 13787 | seob8284 | 13843 | SOA0008 | 13899 | SOA0125 | 13955 | soa0245n |
| 13732 | seob8216 | 13788 | seob8285 | 13844 | soa0012n | 13900 | SOA0131 | 13956 | SOA0248 |
| 13733 | seob8217 | 13789 | seob8286 | 13845 | SOA0017 | 13901 | SOA0132 | 13957 | SOA0249 |
| 13734 | seob8219 | 13790 | seob8287 | 13846 | SOA0021 | 13902 | SOA0133 | 13958 | SOA0251 |
| 13735 | seob8220 | 13791 | seob8288 | 13847 | soa0022n | 13903 | SOA0134 | 13959 | SOA0253 |
| 13736 | seob8221 | 13792 | seob8289 | 13848 | SOA0024 | 13904 | SOA0138 | 13960 | SOA0256 |
| 13737 | seob8223 | 13793 | seob8291 | 13849 | soa0026 | 13905 | soa0140n | 13961 | SOA0257 |
| 13738 | seob8224 | 13794 | seob8292 | 13850 | SOA0027 | 13906 | SOA0141 | 13962 | SOA0262 |
| 13739 | seob8225 | 13795 | seob8293 | 13851 | soa0028n | 13907 | SOA0142 | 13963 | SOA0263 |
| 13740 | seob8226 | 13796 | seob8294 | 13852 | SOA0031 | 13908 | SOA0143 | 13964 | SOA0264 |
| 13741 | seob8227 | 13797 | seob8296 | 13853 | SOA0033 | 13909 | SOA0145 | 13965 | SOA0267 |
| 13742 | seob8229 | 13798 | seob8297 | 13854 | SOA0035 | 13910 | soa0146n | 13966 | SOA0269 |
| 13743 | seob8231 | 13799 | seob8298 | 13855 | soa0038n | 13911 | SOA0147 | 13967 | soa0271n |
| 13744 | seob8232 | 13800 | seob8299 | 13856 | soa0039n | 13912 | SOA0148 | 13968 | SOA0274 |
| 13745 | seob8233 | 13801 | seob8300 | 13857 | soa0040n | 13913 | SOA0149 | 13969 | SOA0275 |
| 13746 | seob8235 | 13802 | seob8301 | 13858 | soa0042n | 13914 | SOA0154 | 13970 | soa0277n |
| 13747 | seob8236 | 13803 | seob8303 | 13859 | soa0043n | 13915 | SOA0156 | 13971 | SOA0278 |
| 13748 | seob8237 | 13804 | seob8305 | 13860 | SOA0044 | 13916 | SOA0158 | 13972 | SOA0281 |
| 13749 | seob8238 | 13805 | seob8306 | 13861 | SOA0046 | 13917 | SOA0161 | 13973 | SOA0282 |
| 13750 | seob8239 | 13806 | seob8308 | 13862 | SOA0047 | 13918 | SOA0163 | 13974 | SOA0283 |
| 13751 | seob8240 | 13807 | seob8309 | 13863 | soa0049n | 13919 | SOA0165 | 13975 | SOA0284 |
| 13752 | seob8241 | 13808 | seob8310 | 13864 | SOA0050 | 13920 | SOA0195 | 13976 | SOA0285 |
| 13753 | seob8242 | 13809 | seob8311 | 13865 | soa0053n | 13921 | soa0196n | 13977 | SOA0286 |
| 13754 | seob8243 | 13810 | seob8312 | 13866 | SOA0055 | 13922 | soa0197n | 13978 | SOA0288 |
| 13755 | seob8244 | 13811 | seob8313 | 13867 | SOA0056 | 13923 | soa0198n | 13979 | SOA0289 |
| 13756 | seob8245 | 13812 | seob8314 | 13868 | SOA0058 | 13924 | soa0201n | 13980 | soa0291n |
| 13757 | seob8246 | 13813 | seob8315 | 13869 | SOA0059 | 13925 | soa0204n | 13981 | soa0292n |
| 13758 | seob8247 | 13814 | seob8317 | 13870 | SOA0060 | 13926 | SOA0207 | 13982 | soa0294n |
| 13759 | seob8248 | 13815 | seob8319 | 13871 | SOA0064 | 13927 | SOA0208 | 13983 | soa0298n |
| 13760 | seob8249 | 13816 | seob8320 | 13872 | SOA0065 | 13928 | SOA0209 | 13984 | soa0300n |
| 13761 | seob8250 | 13817 | seob8321 | 13873 | SOA0068 | 13929 | SOA0210 | 13985 | soa0301n |
| 13762 | seob8252 | 13818 | seob8322 | 13874 | SOA0070 | 13930 | SOA0212 | 13986 | SOA0303 |
| 13763 | seob8254 | 13819 | seob8323 | 13875 | SOA0071 | 13931 | SOA0213 | 13987 | SOA0304 |
| 13764 | seob8255 | 13820 | seob8324 | 13876 | SOA0076 | 13932 | SOA0214 | 13988 | soa0306n |
| 13765 | seob8256 | 13821 | seob8326 | 13877 | SOA0077 | 13933 | SOA0215 | 13989 | SOA0307 |
| 13766 | seob8257 | 13822 | seob8328 | 13878 | soa0078n | 13934 | SOA0216 | 13990 | SOA0308 |
| 13767 | seob8258 | 13823 | seob8329 | 13879 | SOA0079 | 13935 | SOA0217 | 13991 | SOA0310 |
| 13768 | seob8260 | 13824 | seob8330 | 13880 | SOA0082 | 13936 | SOA0219 | 13992 | SOA0315 |
| 13769 | seob8261 | 13825 | seob8332 | 13881 | SOA0083 | 13937 | SOA0220 | 13993 | SOA0317 |
| 13770 | seob8262 | 13826 | seob8333 | 13882 | SOA0085 | 13938 | SOA0221 | 13994 | SOA0319 |
| 13771 | seob8263 | 13827 | seob8334 | 13883 | SOA0089 | 13939 | SOA0222 | 13995 | SOA0322 |
| 13772 | seob8264 | 13828 | seob8335 | 13884 | SOA0092 | 13940 | SOA0223 | 13996 | SOA0323 |
| 13773 | seob8265 | 13829 | seob8336 | 13885 | soa0093n | 13941 | SOA0224 | 13997 | SOA0327 |
| 13774 | seob8266 | 13830 | seob8337 | 13886 | SOA0095 | 13942 | SOA0225 | 13998 | SOA0328 |
| 13775 | seob8267 | 13831 | seob8338 | 13887 | SOA0096 | 13943 | SOA0228 | 13999 | soa0329n |
| 13776 | seob8268 | 13832 | seob8339 | 13888 | SOA0100 | 13944 | SOA0229 | 14000 | SOA0330 |

Figure 6E - Continued

| | | | | | | | |
|-------|----------|-------|----------|-------|----------|-------|----------|
| 14001 | SOA0331 | 14057 | SOA0420 | 14113 | SOA0525 | 14169 | SOA0619 |
| 14002 | SOA0332 | 14058 | SOA0421 | 14114 | SOA0526 | 14170 | SOA0620 |
| 14003 | SOA0334 | 14059 | SOA0426 | 14115 | SOA0527 | 14171 | SOA0621 |
| 14004 | SOA0335 | 14060 | SOA0427 | 14116 | soa0529n | 14172 | SOA0622 |
| 14005 | SOA0337 | 14061 | SOA0428 | 14117 | SOA0532 | 14173 | SOA0623 |
| 14006 | SOA0338 | 14062 | SOA0429 | 14118 | soa0533n | 14174 | SOA0630 |
| 14007 | SOA0340 | 14063 | SOA0434 | 14119 | SOA0535 | 14175 | SOA0631 |
| 14008 | SOA0341 | 14064 | soa0435n | 14120 | SOA0536 | 14176 | SOA0632 |
| 14009 | SOA0342 | 14065 | SOA0436 | 14121 | SOA0537 | 14177 | soa0633n |
| 14010 | soa0343n | 14066 | SOA0437 | 14122 | soa0539n | 14178 | SOA0634 |
| 14011 | soa0345n | 14067 | soa0439 | 14123 | soa0540n | 14179 | soa0636n |
| 14012 | soa0346n | 14068 | SOA0440 | 14124 | SOA0541 | 14180 | soa0637n |
| 14013 | SOA0347 | 14069 | SOA0442N | 14125 | SOA0542 | 14181 | SOA0639 |
| 14014 | SOA0348 | 14070 | SOA0444 | 14126 | SOA0544 | 14182 | SOA0640 |
| 14015 | SOA0349 | 14071 | SOA0445 | 14127 | SOA0545 | 14183 | SOA0641 |
| 14016 | SOA0351 | 14072 | SOA0448 | 14128 | SOA0546 | 14184 | SOA0642 |
| 14017 | SOA0353 | 14073 | SOA0449 | 14129 | SOA0549 | 14185 | SOA0643 |
| 14018 | SOA0354 | 14074 | SOA0450 | 14130 | SOA0550 | 14186 | SOA0646 |
| 14019 | SOA0356 | 14075 | SOA0453 | 14131 | SOA0552 | 14187 | SOA0647 |
| 14020 | SOA0357 | 14076 | soa0461n | 14132 | SOA0554 | 14188 | SOA0648 |
| 14021 | soa0360n | 14077 | soa0463n | 14133 | SOA0558 | 14189 | SOA0650 |
| 14022 | SOA0362 | 14078 | SOA0464 | 14134 | SOA0559 | 14190 | SOA0651 |
| 14023 | soa0363n | 14079 | soa0466n | 14135 | SOA0560 | 14191 | SOA0652 |
| 14024 | SOA0365 | 14080 | SOA0467 | 14136 | SOA0561 | 14192 | SOA0654 |
| 14025 | SOA0368 | 14081 | SOA0468 | 14137 | SOA0563 | 14193 | SOA0659 |
| 14026 | SOA0369 | 14082 | SOA0470 | 14138 | soa0564n | 14194 | SOA0660 |
| 14027 | SOA0370 | 14083 | SOA0471 | 14139 | SOA0565 | 14195 | SOA0661 |
| 14028 | SOA0372 | 14084 | SOA0473 | 14140 | SOA0567 | 14196 | SOA0662 |
| 14029 | soa0373n | 14085 | SOA0476 | 14141 | soa0568n | 14197 | SOA0667 |
| 14030 | SOA0375 | 14086 | soa0477n | 14142 | SOA0569 | 14198 | SOA0670 |
| 14031 | SOA0376 | 14087 | SOA0478 | 14143 | SOA0570 | 14199 | SOA0673 |
| 14032 | SOA0377 | 14088 | SOA0481 | 14144 | SOA0571 | 14200 | SOA0674n |
| 14033 | SOA0379 | 14089 | SOA0482 | 14145 | SOA0575 | 14201 | SOA0675 |
| 14034 | SOA0381 | 14090 | SOA0483 | 14146 | SOA0579 | 14202 | SOA0677n |
| 14035 | soa0382n | 14091 | SOA0484 | 14147 | SOA0580 | 14203 | SOA0678 |
| 14036 | SOA0384 | 14092 | SOA0485 | 14148 | SOA0583 | 14204 | SOA0679 |
| 14037 | SOA0387 | 14093 | soa0486n | 14149 | soa0585n | 14205 | SOA0684 |
| 14038 | soa0388n | 14094 | SOA0487 | 14150 | SOA0589 | 14206 | SOA0685 |
| 14039 | SOA0389 | 14095 | SOA0488 | 14151 | SOA0591 | 14207 | SOA0688 |
| 14040 | SOA0391 | 14096 | soa0489n | 14152 | SOA0593 | 14208 | SOA0690 |
| 14041 | SOA0393 | 14097 | SOA0490 | 14153 | SOA0594 | 14209 | SOA0692 |
| 14042 | SOA0397 | 14098 | SOA0491 | 14154 | SOA0598 | 14210 | SOA0693 |
| 14043 | SOA0399 | 14099 | SOA0493 | 14155 | SOA0600 | 14211 | SOA0694 |
| 14044 | SOA0401 | 14100 | SOA0495 | 14156 | SOA0601 | 14212 | SOA0698 |
| 14045 | SOA0403 | 14101 | SOA0496 | 14157 | SOA0602 | 14213 | SOA0701 |
| 14046 | soa0405n | 14102 | SOA0498 | 14158 | SOA0604 | 14214 | SOA0704 |
| 14047 | SOA0406 | 14103 | SOA0501 | 14159 | SOA0605 | 14215 | soa0705n |
| 14048 | SOA0409 | 14104 | SOA0503 | 14160 | SOA0606 | 14216 | SOA0706 |
| 14049 | SOA0410 | 14105 | SOA0505 | 14161 | SOA0608 | 14217 | SOA0707 |
| 14050 | SOA0411 | 14106 | SOA0506 | 14162 | soa0609n | 14218 | soa0712 |
| 14051 | SOA0412 | 14107 | SOA0514 | 14163 | SOA0611 | 14219 | SOA0713 |
| 14052 | SOA0413 | 14108 | SOA0516 | 14164 | SOA0612 | 14220 | SOA0715 |
| 14053 | SOA0415 | 14109 | SOA0518 | 14165 | soa0613n | 14221 | SOA0716 |
| 14054 | SOA0416 | 14110 | SOA0520 | 14166 | SOA0614 | 14222 | SOA0718 |
| 14055 | SOA0417 | 14111 | soa0521n | 14167 | SOA0615 | | |
| 14056 | SOA0419 | 14112 | SOA0523 | 14168 | SOA0616 | | |

Figure 7 - Characterization of Human Cartilage cDNA Libraries Based on Functional Classification of Known/Unique Genes

| Functional Classification | Fetal | | Normal | | Mild | | Severe | |
|-----------------------------------|------------|--------|------------|--------|------------|--------|------------|--------|
| | # of Genes | | # of Genes | | # of Genes | | # of Genes | |
| Cell division | 182 | 7.06% | 160 | 6.13% | 127 | 6.39% | 157 | 6.81% |
| Cell signalling/communication | 387 | 15.01% | 353 | 13.52% | 304 | 15.31% | 326 | 14.14% |
| Cell structure/motility | 281 | 10.90% | 235 | 9.00% | 182 | 9.16% | 196 | 8.50% |
| Cell/organism defense | 196 | 7.60% | 196 | 7.51% | 167 | 8.41% | 184 | 7.98% |
| Gene/protein expression | 573 | 22.22% | 524 | 20.08% | 429 | 21.60% | 529 | 22.94% |
| Metabolism | 384 | 14.89% | 343 | 13.14% | 277 | 13.95% | 312 | 13.53% |
| Unclassified | 576 | 22.33% | 707 | 27.09% | 452 | 22.76% | 552 | 23.94% |
| Total known/unique genes analyzed | 2579 | | 2518 | | 1938 | | 2256 | |

Figure 8 - List of Novel and Known Gene Clones from Mild OA and Severe OA Libraries on Microarray

| | | | | | | | |
|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| MIOA0003a | MIOA0004a | MIOA0005a | MIOA0008a | MIOA0010a | MIOA0013a | MIOA0022a | MIOA0024a |
| MIOA0026a | MIOA0029a | MIOA0032a | MIOA0033a | MIOA0037a | MIOA0039a | MIOA0044a | MIOA0045a |
| MIOA0046a | MIOA0049a | MIOA0051a | MIOA0053a | MIOA0054a | MIOA0057a | MIOA0058a | MIOA0059a |
| MIOA0061a | MIOA0062a | MIOA0065a | MIOA0066a | MIOA0068a | MIOA0070a | MIOA0071a | MIOA0072a |
| MIOA0074a | MIOA0075a | MIOA0076a | MIOA0078a | MIOA0081a | MIOA0082a | MIOA0083a | MIOA0084a |
| MIOA0085a | MIOA0089a | MIOA0090a | MIOA0092a | MIOA0093a | MIOA0095a | MIOA0098 | MIOA0102 |
| MIOA0104 | MIOA0105 | MIOA0109 | MIOA0110 | MIOA0111 | MIOA0113 | MIOA0114 | MIOA0115 |
| MIOA0117 | MIOA0118 | MIOA0122 | MIOA0126 | MIOA0128 | MIOA0132 | MIOA0135 | MIOA0143 |
| MIOA0145 | MIOA0147 | MIOA0152 | MIOA0153 | MIOA0154 | MIOA0156 | MIOA0157 | MIOA0158 |
| MIOA0161 | MIOA0162 | MIOA0164 | MIOA0165 | MIOA0166 | MIOA0168n | MIOA0169 | MIOA0171 |
| MIOA0172 | MIOA0174 | MIOA0175n | MIOA0177n | MIOA0181 | MIOA0183 | MIOA0189 | MIOA0190 |
| MIOA0192 | MIOA0195a | MIOA0197a | MIOA0201a | MIOA0203a | MIOA0204a | MIOA0207a | MIOA0209a |
| MIOA0210a | MIOA0212a | MIOA0213a | MIOA0215a | MIOA0218a | MIOA0219a | MIOA0220a | MIOA0221a |
| MIOA0222a | MIOA0223a | MIOA0224a | MIOA0225a | MIOA0228a | MIOA0230a | MIOA0235a | MIOA0236a |
| MIOA0237a | MIOA0238a | MIOA0240a | MIOA0243a | MIOA0245a | MIOA0247a | MIOA0248a | MIOA0251a |
| MIOA0252a | MIOA0253a | MIOA0255a | MIOA0256a | MIOA0257 | MIOA0258n | MIOA0261 | MIOA0263 |
| MIOA0264 | MIOA0265n | MIOA0266n | MIOA0269 | MIOA0270 | MIOA0273 | MIOA0274 | MIOA0275n |
| MIOA0281n | MIOA0286 | MIOA0288 | MIOA0289 | MIOA0291 | MIOA0294 | MIOA0296 | MIOA0299n |
| MIOA0300 | MIOA0303 | MIOA0304 | MIOA0306n | MIOA0307 | MIOA0308 | MIOA0309 | MIOA0311n |
| MIOA0314 | MIOA0315 | MIOA0316 | MIOA0320 | MIOA0321 | MIOA0322 | MIOA0323 | MIOA0325 |
| MIOA0328 | MIOA0329n | MIOA0332 | MIOA0334 | MIOA0335 | MIOA0341 | MIOA0342 | MIOA0343n |
| MIOA0354a | MIOA0355a | MIOA0361a | MIOA0363a | MIOA0364a | MIOA0365a | MIOA0375a | MIOA0378a |
| MIOA0380a | MIOA0381a | MIOA0382a | MIOA0384a | MIOA0394a | MIOA0395a | MIOA0397a | MIOA0400a |
| MIOA0401a | MIOA0407a | MIOA0408a | MIOA0411a | MIOA0412a | MIOA0419a | MIOA0449 | MIOA0450 |
| MIOA0451 | MIOA0452 | MIOA0453 | MIOA0454 | MIOA0455 | MIOA0456 | MIOA0459 | MIOA0461 |
| MIOA0462n | MIOA0466 | MIOA0467 | MIOA0473 | MIOA0474 | MIOA0477 | MIOA0478 | MIOA0482n |
| MIOA0483 | MIOA0484 | MIOA0485 | MIOA0487 | MIOA0488n | MIOA0493 | MIOA0494 | MIOA0497n |
| MIOA0498n | MIOA0501 | MIOA0502 | MIOA0504n | MIOA0508n | MIOA0510 | MIOA0513n | MIOA0514 |
| MIOA0516 | MIOA0520n | MIOA0521 | MIOA0524 | MIOA0525 | MIOA0528 | MIOA0529 | MIOA0530 |
| MIOA0531 | MIOA0533 | MIOA0535n | MIOA0538 | MIOA0541n | MIOA0542 | MIOA0544 | MIOA0545a |
| MIOA0546a | MIOA0548a | MIOA0550a | MIOA0551a | MIOA0553a | MIOA0554a | MIOA0572n | MIOA0577a |
| MIOA0578a | MIOA0579a | MIOA0580a | MIOA0581a | MIOA0582a | MIOA0586a | MIOA0588a | MIOA0589a |
| MIOA0591a | MIOA0592a | MIOA0594a | MIOA0595a | MIOA0597a | MIOA0600a | MIOA0601a | MIOA0602a |
| MIOA0605a | MIOA0610a | MIOA0611a | MIOA0614a | MIOA0616a | MIOA0618a | MIOA0621a | MIOA0624a |
| MIOA0625a | MIOA0626a | MIOA0629a | MIOA0630a | MIOA0632a | MIOA0633a | MIOA0637a | MIOA0639a |
| MIOA0644 | MIOA0645 | MIOA0647 | MIOA0677 | MIOA0680 | MIOA0682n | MIOA0683 | MIOA0684 |
| MIOA0685 | MIOA0689 | MIOA0690 | MIOA0692 | MIOA0694 | MIOA0697 | MIOA0699 | MIOA0701 |
| MIOA0702 | MIOA0706 | MIOA0707 | MIOA0708 | MIOA0712 | MIOA0717 | MIOA0718 | MIOA0719 |
| MIOA0720n | MIOA0721 | MIOA0723 | MIOA0724 | MIOA0726n | MIOA0730 | MIOA0731 | MIOA0734 |
| MIOA0736 | MIOA0743 | MIOA0744 | MIOA0745 | MIOA0747 | MIOA0750 | MIOA0751 | MIOA0752 |
| MIOA0753n | MIOA0758 | MIOA0759 | MIOA0760 | MIOA0761 | MIOA0763n | MIOA0764 | MIOA0765n |
| MIOA0766 | MIOA0767 | MIOA0768n | MIOA0769n | MIOA0772 | MIOA0774n | MIOA0775n | MIOA0776n |
| MIOA0777n | MIOA0778 | MIOA0780n | MIOA0781 | MIOA0782n | MIOA0783 | MIOA0783n | MIOA0790 |
| MIOA0791 | MIOA0795n | MIOA0797 | MIOA0798 | MIOA0803 | MIOA0804 | MIOA0806 | MIOA0809 |
| MIOA0811 | MIOA0813 | MIOA0814 | MIOA0817 | MIOA0819 | MIOA0820 | MIOA0823 | MIOA0824 |
| MIOA0826 | MIOA0831 | MIOA0832 | MIOA0840a | MIOA0842a | MIOA0843a | MIOA0849a | MIOA0855a |

Figure 8 - Continued

| | | | | | | | |
|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| MIOA0857a | MIOA0860a | MIOA0861a | MIOA0868a | MIOA0869a | MIOA0874a | MIOA0876a | MIOA0879a |
| MIOA0880a | MIOA0882a | MIOA0884a | MIOA0885a | MIOA0886a | MIOA0887a | MIOA0890a | MIOA0891a |
| MIOA0892a | MIOA0893a | MIOA0894a | MIOA0896a | MIOA0897a | MIOA0898a | MIOA0899a | MIOA0900a |
| MIOA0902a | MIOA0905a | MIOA0906a | MIOA0908a | MIOA0909a | MIOA0910a | MIOA0911a | MIOA0912a |
| MIOA0915a | MIOA0916a | MIOA0918a | MIOA0920a | MIOA0924a | MIOA0925a | MIOA0932 | MIOA0933 |
| MIOA0934 | MIOA0935 | MIOA0936 | MIOA0937 | MIOA0938 | MIOA0941 | MIOA0942 | MIOA0943 |
| MIOA0948 | MIOA0949 | MIOA0950 | MIOA0952 | MIOA0953 | MIOA0954 | MIOA0955 | MIOA0958 |
| MIOA0959 | MIOA0960 | MIOA0961 | MIOA0963 | MIOA0964 | MIOA0965 | MIOA0968 | MIOA0969n |
| MIOA0971 | MIOA0972 | MIOA0977 | MIOA0978n | MIOA0983 | MIOA0984 | MIOA0986 | MIOA0987 |
| MIOA0989n | MIOA0991n | MIOA0992n | MIOA0993n | MIOA0994 | MIOA0995 | MIOA0996n | MIOA0999 |
| MIOA1003 | MIOA1004 | MIOA1006 | MIOA1008 | MIOA1009 | MIOA1010 | MIOA1015 | MIOA1019 |
| MIOA1024 | MIOA1025 | MIOA1027 | MIOA1030 | MIOA1044 | MIOA1045 | MIOA1048 | MIOA1049 |
| MIOA1052 | MIOA1054 | MIOA1057 | MIOA1058 | MIOA1059 | MIOA1060 | MIOA1062 | MIOA1068 |
| MIOA1070 | MIOA1071 | MIOA1072 | MIOA1073 | MIOA1075 | MIOA1076 | MIOA1078 | MIOA1079 |
| MIOA1081 | MIOA1082 | MIOA1084 | MIOA1085 | MIOA1086 | MIOA1087 | MIOA1088 | MIOA1091 |
| MIOA1092 | MIOA1094 | MIOA1097 | MIOA1099 | MIOA1100 | MIOA1120 | MIOA1123 | MIOA1128 |
| MIOA1130 | MIOA1133 | MIOA1134 | MIOA1136 | MIOA1137 | MIOA1138 | MIOA1139 | MIOA1140 |
| MIOA1143 | MIOA1144 | MIOA1145 | MIOA1147 | MIOA1149 | MIOA1150 | MIOA1151 | MIOA1154 |
| MIOA1156 | MIOA1158 | MIOA1159 | MIOA1161 | MIOA1163 | MIOA1165 | MIOA1166 | MIOA1169 |
| MIOA1170 | MIOA1171 | MIOA1172 | MIOA1173 | MIOA1176 | MIOA1177 | MIOA1180 | MIOA1182 |
| MIOA1185 | MIOA1186 | MIOA1189 | MIOA1192 | MIOA1193 | MIOA1197n | MIOA1198 | MIOA1199 |
| MIOA1200 | MIOA1212 | MIOA1213 | MIOA1223m | MIOA1228 | MIOA1230 | MIOA1231 | MIOA1236 |
| MIOA1239 | MIOA1241n | MIOA1242 | MIOA1243 | MIOA1248 | MIOA1252 | MIOA1255m | MIOA1256 |
| MIOA1259 | MIOA1263 | MIOA1264 | MIOA1266 | MIOA1267 | MIOA1276m | MIOA1278m | MIOA1279m |
| MIOA1285 | MIOA1286 | MIOA1287 | MIOA1290 | MIOA1291n | MIOA1293n | MIOA1294n | MIOA1300n |
| MIOA1303 | MIOA1304 | MIOA1310 | MIOA1312 | MIOA1314a | MIOA1318a | MIOA1319a | MIOA1320a |
| MIOA1321a | MIOA1322a | MIOA1325a | MIOA1326a | MIOA1327a | MIOA1329a | MIOA1337a | MIOA1339a |
| MIOA1342a | MIOA1343a | MIOA1344a | MIOA1349a | MIOA1352a | MIOA1353a | MIOA1354a | MIOA1356a |
| MIOA1361a | MIOA1362a | MIOA1364a | MIOA1369a | MIOA1370a | MIOA1373a | MIOA1375a | MIOA1377a |
| MIOA1379a | MIOA1380a | MIOA1383a | MIOA1385a | MIOA1388a | MIOA1391a | MIOA1392a | MIOA1394a |
| MIOA1397a | MIOA1398a | MIOA1399a | MIOA1400a | MIOA1401a | MIOA1403a | MIOA1405a | MIOA1409 |
| MIOA1410m | MIOA1411n | MIOA1412 | MIOA1413 | MIOA1414 | MIOA1416 | MIOA1420n | MIOA1424 |
| MIOA1426 | MIOA1427 | MIOA1431 | MIOA1434 | MIOA1435 | MIOA1438 | MIOA1439 | MIOA1440 |
| MIOA1442 | MIOA1443 | MIOA1444 | MIOA1445 | MIOA1446 | MIOA1447 | MIOA1448 | MIOA1450 |
| MIOA1452 | MIOA1454 | MIOA1455 | MIOA1459 | MIOA1461n | MIOA1462 | MIOA1463 | MIOA1464 |
| MIOA1465 | MIOA1467 | MIOA1468 | MIOA1469 | MIOA1471 | MIOA1473 | MIOA1476 | MIOA1477 |
| MIOA1479m | MIOA1483m | MIOA1484 | MIOA1485 | MIOA1488 | MIOA1491m | MIOA1494 | MIOA1495m |
| MIOA1496 | MIOA1498n | MIOA1503 | MIOA1505 | MIOA1506 | MIOA1508 | MIOA1509 | MIOA1512n |
| MIOA1513 | MIOA1517 | MIOA1518 | MIOA1519 | MIOA1520 | MIOA1522 | MIOA1524 | MIOA1527 |
| MIOA1528 | MIOA1529 | MIOA1531 | MIOA1532 | MIOA1533 | MIOA1534 | MIOA1537 | MIOA1538 |
| MIOA1539 | MIOA1541m | MIOA1542m | MIOA1546 | MIOA1547 | MIOA1548 | MIOA1550 | MIOA1551 |
| MIOA1554n | MIOA1555 | MIOA1556 | MIOA1559 | MIOA1560 | MIOA1561 | MIOA1562 | MIOA1564m |
| MIOA1565n | MIOA1566 | MIOA1568 | MIOA1569 | MIOA1570 | MIOA1571 | MIOA1572 | MIOA1573 |
| MIOA1574 | MIOA1580 | MIOA1582 | MIOA1584 | MIOA1585 | MIOA1590 | MIOA1592 | MIOA1593 |
| MIOA1594 | MIOA1595 | MIOA1597 | MIOA1602a | MIOA1603a | MIOA1604a | MIOA1605a | MIOA1606a |
| MIOA1607a | MIOA1608a | MIOA1610a | MIOA1612a | MIOA1621a | MIOA1626a | MIOA1628a | MIOA1630a |
| MIOA1632a | MIOA1636a | MIOA1640a | MIOA1641a | MIOA1645a | MIOA1646a | MIOA1647a | MIOA1648a |
| MIOA1649a | MIOA1650a | MIOA1652a | MIOA1654a | MIOA1655a | MIOA1656a | MIOA1657a | MIOA1658a |
| MIOA1661a | MIOA1662a | MIOA1665a | MIOA1667a | MIOA1671a | MIOA1673a | MIOA1674a | MIOA1676a |

Figure 8 - Continued

| | | | | | | | |
|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| MIOA1677a | MIOA1679a | MIOA1685a | MIOA1686a | MIOA1687a | MIOA1689a | MIOA1690a | MIOA1693a |
| MIOA1695a | MIOA1697 | MIOA1699 | MIOA1701a | MIOA1706a | MIOA1708a | MIOA1711a | MIOA1714a |
| MIOA1715a | MIOA1716a | MIOA1717a | MIOA1719a | MIOA1723a | MIOA1726a | MIOA1729a | MIOA1731 |
| MIOA1737 | MIOA1743n | MIOA1745n | MIOA1750n | MIOA1752 | MIOA1756 | MIOA1757 | MIOA1761 |
| MIOA1763 | MIOA1764 | MIOA1765 | MIOA1766 | MIOA1767 | MIOA1769 | MIOA1773 | MIOA1774 |
| MIOA1775 | MIOA1776 | MIOA1777n | MIOA1778 | MIOA1779 | MIOA1780 | MIOA1785 | MIOA1791 |
| MIOA1792 | MIOA1794 | MIOA1795 | MIOA1797m | MIOA1798m | MIOA1800m | MIOA1802m | MIOA1803m |
| MIOA1811a | MIOA1818a | MIOA1819a | MIOA1822a | MIOA1827a | MIOA1828a | MIOA1830a | MIOA1832a |
| MIOA1834a | MIOA1835a | MIOA1839a | MIOA1840a | MIOA1841a | MIOA1844a | MIOA1845a | MIOA1847a |
| MIOA1848a | MIOA1849a | MIOA1851a | MIOA1852a | MIOA1854a | MIOA1856m | MIOA1857m | MIOA1864a |
| MIOA1868a | MIOA1870a | MIOA1871a | MIOA1874a | MIOA1881a | MIOA1882a | MIOA1885a | MIOA1887a |
| MIOA1889a | MIOA1890a | MIOA1891a | MIOA1894a | MIOA1896a | MIOA1897a | MIOA1899a | MIOA1900a |
| MIOA1901a | MIOA1903a | MIOA1906a | MIOA1907a | MIOA1910a | MIOA1913a | MIOA1914a | MIOA1915a |
| MIOA1916a | MIOA1920a | MIOA1921a | MIOA1922a | MIOA1923a | MIOA1927a | MIOA1928a | MIOA1930a |
| MIOA1932a | MIOA1933a | MIOA1934a | MIOA1935a | MIOA1936a | MIOA1939a | MIOA1941a | MIOA1942a |
| MIOA1944a | MIOA1947a | MIOA1948a | MIOA1949a | MIOA1952a | MIOA1953a | MIOA1955a | MIOA1963a |
| MIOA1965a | MIOA1966a | MIOA1967a | MIOA1971a | MIOA1978a | MIOA1979a | MIOA1980a | MIOA1981a |
| MIOA1982a | MIOA1984a | MIOA1985 | MIOA1986 | MIOA1991 | MIOA1992 | MIOA1994 | MIOA1996 |
| MIOA1997 | MIOA2004 | MIOA2006 | MIOA2008 | MIOA2009 | MIOA2010 | MIOA2013 | MIOA2015 |
| MIOA2021 | MIOA2022 | MIOA2028 | MIOA2031 | MIOA2032 | MIOA2033 | MIOA2035 | MIOA2039 |
| MIOA2042 | MIOA2043 | MIOA2044 | MIOA2046 | MIOA2050 | MIOA2051 | MIOA2054 | MIOA2058 |
| MIOA2059n | MIOA2060 | MIOA2062 | MIOA2063 | MIOA2065 | MIOA2068 | MIOA2069 | MIOA2070 |
| MIOA2071 | MIOA2073 | MIOA2075 | MIOA2076 | MIOA2079n | MIOA2086 | MIOA2087n | MIOA2090 |
| MIOA2091 | MIOA2092n | MIOA2093 | MIOA2094 | MIOA2097 | MIOA2098 | MIOA2103 | MIOA2104 |
| MIOA2106 | MIOA2111 | MIOA2112 | MIOA2114 | MIOA2116 | MIOA2118 | MIOA2122 | MIOA2124 |
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| MIOA2149 | MIOA2150 | MIOA2152 | MIOA2158a | MIOA2160a | MIOA2167a | MIOA2172a | MIOA2173a |
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Figure 8 - Continued

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|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
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Figure 8 - Continued

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|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
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| MIOA3868 | MIOA3871 | MIOA3872 | MIOA3873 | MIOA3878 | MIOA3881a | MIOA3883a | MIOA3888a |
| MIOA3889a | MIOA3890a | MIOA3891a | MIOA3893a | MIOA3894a | MIOA3895a | MIOA3899a | MIOA3903a |
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| MIOA4059a | MIOA4061a | MIOA4064a | MIOA4068a | MIOA4069a | MIOA4072a | MIOA4073a | MIOA4076a |
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Figure 8 - Continued

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| MIOA4742 | MIOA4744 | MIOA4748 | MIOA4749 | MIOA4751 | MIOA4753 | MIOA4756 | MIOA4759 |
| MIOA4763 | MIOA4764 | MIOA4765 | MIOA4766 | MIOA4767 | MIOA4769 | MIOA4770 | MIOA4771 |
| MIOA4775 | MIOA4776 | MIOA4778 | MIOA4779 | MIOA4782a | MIOA4783a | MIOA4786a | MIOA4787a |
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| MIOA5420a | MIOA5421a | MIOA5422a | MIOA5427a | SEOA0002 | SEOA0004 | SEOA0005 | SEOA0009 |
| SEOA0010 | SEOA0014 | SEOA0017 | SEOA0020 | SEOA0021 | SEOA0023 | SEOA0024 | SEOA0027 |
| SEOA0028 | SEOA0031 | SEOA0033 | SEOA0036 | SEOA0037 | SEOA0038 | SEOA0039 | SEOA0041n |

Figure 8 - Continued

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| SEOA0082 | SEOA0085 | SEOA0088 | SEOA0091n | SEOA0096n | SEOA0100 | SEOA0101 | SEOA0106 |
| SEOA0107 | SEOA0111 | SEOA0114 | SEOA0116 | SEOA0118 | SEOA0121 | SEOA0124n | SEOA0125 |
| SEOA0126 | SEOA0127 | SEOA0137 | SEOA0138 | SEOA0139 | SEOA0145 | SEOA0147 | SEOA0149 |
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| SEOA0197A | SEOA0198A | SEOA0200A | SEOA0201A | SEOA0202A | SEOA0203A | SEOA0206a | SEOA0207a |
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| SEOA0224a | SEOA0226a | SEOA0228a | SEOA0235a | SEOA0237a | SEOA0238a | SEOA0240a | SEOA0243a |
| SEOA0245a | SEOA0248a | SEOA0250a | SEOA0252a | SEOA0272 | SEOA0276 | SEOA0277 | SEOA0279 |
| SEOA0280 | SEOA0281 | SEOA0284n | SEOA0290 | SEOA0295 | SEOA0297 | SEOA0301 | SEOA0302 |
| SEOA0310 | SEOA0312 | SEOA0315n | SEOA0316 | SEOA0317 | SEOA0318 | SEOA0320 | SEOA0325 |
| SEOA0326n | SEOA0329n | SEOA0331 | SEOA0333n | SEOA0334 | SEOA0353 | SEOA0357 | SEOA0360 |
| SEOA0361 | SEOA0367n | SEOA0368 | SEOA0370 | SEOA0373 | SEOA0374 | SEOA0377 | SEOA0379 |
| SEOA0380n | SEOA0381 | SEOA0382 | SEOA0383 | SEOA0386 | SEOA0388 | SEOA0390 | SEOA0391 |
| SEOA0396 | SEOA0399 | SEOA0401 | SEOA0404 | SEOA0407 | SEOA0409 | SEOA0410 | SEOA0413 |
| SEOA0418 | SEOA0420 | SEOA0422 | SEOA0423 | SEOA0424n | SEOA0425 | SEOA0427 | SEOA0437 |
| SEOA0438 | SEOA0441n | SEOA0444 | SEOA0446 | SEOA0449 | SEOA0450 | SEOA0451n | SEOA0455 |
| SEOA0462 | SEOA0463 | SEOA0464 | SEOA0465 | SEOA0466 | SEOA0468 | SEOA0470n | SEOA0471 |
| SEOA0473 | SEOA0477 | SEOA0479 | SEOA0481 | SEOA0483 | SEOA0485 | SEOA0486 | SEOA0488 |
| SEOA0492 | SEOA0500 | SEOA0501 | SEOA0511 | SEOA0512 | SEOA0514 | SEOA0515 | SEOA0518 |
| SEOA0519 | SEOA0520 | SEOA0524 | SEOA0526 | SEOA0528n | SEOA0529 | SEOA0532 | SEOA0534 |
| SEOA0535 | SEOA0536 | SEOA0539n | SEOA0541n | SEOA0542n | SEOA0545A | SEOA0546A | SEOA0548A |
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| SEOA0727a | SEOA0728a | SEOA0729a | SEOA0730a | SEOA0731a | SEOA0733a | SEOA0737n | SEOA0738 |
| SEOA0741 | SEOA0744 | SEOA0745 | SEOA0746 | SEOA0749 | SEOA0751 | SEOA0752 | SEOA0755 |
| SEOA0759 | SEOA0761 | SEOA0769 | SEOA0770 | SEOA0772n | SEOA0775 | SEOA0783 | SEOA0784n |
| SEOA0785n | SEOA0786 | SEOA0787 | SEOA0790 | SEOA0791 | SEOA0792 | SEOA0794 | SEOA0795 |
| SEOA0799 | SEOA0801 | SEOA0803 | SEOA0804 | SEOA0805 | SEOA0809 | SEOA0811 | SEOA0812 |
| SEOA0819n | SEOA0821 | SEOA0822 | SEOA0824 | SEOA0827 | SEOA0830 | SEOA0832 | SEOA0840 |
| SEOA0841 | SEOA0844 | SEOA0845 | SEOA0847 | SEOA0848 | SEOA0849 | SEOA0850n | SEOA0851 |
| SEOA0852 | SEOA0853 | SEOA0854 | SEOA0855 | SEOA0861 | SEOA0862 | SEOA0864 | SEOA0865 |
| SEOA0866 | SEOA0869 | SEOA0870 | SEOA0873 | SEOA0874 | SEOA0875 | SEOA0880 | SEOA0882 |
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| SEOA0971 | SEOA0973 | SEOA0974 | SEOA0975 | SEOA0982 | SEOA0982n | SEOA0986 | SEOA0990n |
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| SEOA1095a | SEOA1099a | SEOA1100a | SEOA1102a | SEOA1104a | SEOA1106a | SEOA1108a | SEOA1109a |

Figure 8 - Continued

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|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
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| SEOA1273a | SEOA1277a | SEOA1278a | SEOA1282a | SEOA1284a | SEOA1287a | SEOA1288a | SEOA1290a |
| SEOA1292a | SEOA1295a | SEOA1297a | SEOA1300a | SEOA1301a | SEOA1304a | SEOA1307a | SEOA1310a |
| SEOA1312a | SEOA1316n | SEOA1318 | SEOA1320 | SEOA1323 | SEOA1326 | SEOA1327 | SEOA1329 |
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| SEOA1374 | SEOA1376 | SEOA1378 | SEOA1379 | SEOA1380 | SEOA1381 | SEOA1382 | SEOA1389 |
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| SEOA1432a | SEOA1434a | SEOA1436a | SEOA1439a | SEOA1440a | SEOA1442a | SEOA1443a | SEOA1445a |
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| SEOA1471a | SEOA1474 | SEOA1477 | SEOA1483n | SEOA1484n | SEOA1487 | SEOA1491 | SEOA1492n |
| SEOA1493 | SEOA1496n | SEOA1501 | SEOA1507n | SEOA1508 | SEOA1513 | SEOA1517n | SEOA1521 |
| SEOA1522n | SEOA1523 | SEOA1525 | SEOA1526 | SEOA1527n | SEOA1529 | SEOA1532 | SEOA1535 |
| SEOA1536 | SEOA1539 | SEOA1541 | SEOA1542 | SEOA1543 | SEOA1545 | SEOA1546 | SEOA1547 |
| SEOA1551 | SEOA1555 | SEOA1563 | SEOA1564 | SEOA1566 | SEOA1567 | SEOA1570 | SEOA1571 |
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| SEOA1897 | SEOA1900n | SEOA1901 | SEOA1902 | SEOA1909 | SEOA1912n | SEOA1913n | SEOA1914 |
| SEOA1917 | SEOA1921 | SEOA1923 | SEOA1924n | SEOA1925n | SEOA1932 | SEOA1936 | SEOA1940 |
| SEOA1947 | SEOA1954 | SEOA1955 | SEOA1964a | SEOA1965a | SEOA1969a | SEOA1971a | SEOA1977a |
| SEOA1979a | SEOA1980a | SEOA1983a | SEOA1988a | SEOA1991 | SEOA1996 | SEOA2000a | SEOA2004 |
| SEOA2005 | SEOA2006 | SEOA2008 | SEOA2012 | SEOA2013 | SEOA2015 | SEOA2022 | SEOA2025 |
| SEOA2027 | SEOA2029 | SEOA2040 | SEOA2041 | SEOA2042 | SEOA2043 | SEOA2048 | SEOA2052 |
| SEOA2054a | SEOA2056 | SEOA2057 | SEOA2058 | SEOA2065 | SEOA2067n | SEOA2068 | SEOA2069 |
| SEOA2072 | SEOA2079 | SEOA2084 | SEOA2095 | SEOA2096 | SEOA2097n | SEOA2099 | SEOA2100 |
| SEOA2103n | SEOA2106 | SEOA2109 | SEOA2111 | SEOA2112n | SEOA2117 | SEOA2120 | SEOA2121 |
| SEOA2122 | SEOA2125 | SEOA2126n | SEOA2127 | SEOA2127n | SEOA2128 | SEOA2130n | SEOA2132 |

Figure 8 - Continued

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|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| SEOA2135 | SEOA2136 | SEOA2138 | SEOA2141 | SEOA2142 | SEOA2146n | SEOA2147 | SEOA2148n |
| SEOA2149 | SEOA2154n | SEOA2157 | SEOA2158 | SEOA2159 | SEOA2163 | SEOA2163n | SEOA2166 |
| SEOA2173 | SEOA2174 | SEOA2175 | SEOA2177a | SEOA2178a | SEOA2179a | SEOA2181a | SEOA2183a |
| SEOA2188a | SEOA2191a | SEOA2194a | SEOA2201a | SEOA2202a | SEOA2203a | SEOA2204a | SEOA2209a |
| SEOA2210a | SEOA2211a | SEOA2212a | SEOA2215a | SEOA2217a | SEOA2218a | SEOA2219a | SEOA2221a |
| SEOA2224a | SEOA2230a | SEOA2232a | SEOA2233a | SEOA2234a | SEOA2235a | SEOA2239a | SEOA2240a |
| SEOA2243a | SEOA2246a | SEOA2251a | SEOA2253a | SEOA2256a | SEOA2261a | SEOA2263a | SEOA2270a |
| SEOA2272a | SEOA2279a | SEOA2283a | SEOA2286a | SEOA2287a | SEOA2288a | SEOA2291a | SEOA2292a |
| SEOA2293a | SEOA2294a | SEOA2295a | SEOA2298a | SEOA2300a | SEOA2301a | SEOA2302a | SEOA2303a |
| SEOA2308a | SEOA2309a | SEOA2311a | SEOA2313a | SEOA2320a | SEOA2326a | SEOA2328a | SEOA2331a |
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| SEOA2417a | SEOA2418a | SEOA2421a | SEOA2423a | SEOA2424a | SEOA2425a | SEOA2428a | SEOA2429a |
| SEOA2431a | SEOA2432a | SEOA2442a | SEOA2443a | SEOA2445a | SEOA2447a | SEOA2448a | SEOA2449a |
| SEOA2452a | SEOA2454a | SEOA2456a | SEOA2458a | SEOA2461a | SEOA2465 | SEOA2467 | SEOA2469 |
| SEOA2470 | SEOA2471 | SEOA2472 | SEOA2473m | SEOA2479 | SEOA2481 | SEOA2482 | SEOA2484 |
| SEOA2486 | SEOA2487 | SEOA2488 | SEOA2489m | SEOA2491 | SEOA2492 | SEOA2493 | SEOA2496 |
| SEOA2499 | SEOA2500m | SEOA2507 | SEOA2512 | SEOA2515 | SEOA2516 | SEOA2517 | SEOA2518 |
| SEOA2523 | SEOA2525 | SEOA2527 | SEOA2528 | SEOA2534 | SEOA2535 | SEOA2536 | SEOA2537 |
| SEOA2539 | SEOA2540 | SEOA2547 | SEOA2550 | SEOA2554 | SEOA2558 | SEOA2559m | SEOA2562 |
| SEOA2564 | SEOA2566 | SEOA2567 | SEOA2572 | SEOA2574 | SEOA2575 | SEOA2578 | SEOA2579m |
| SEOA2580m | SEOA2581 | SEOA2583 | SEOA2584 | SEOA2585 | SEOA2589 | SEOA2592 | SEOA2595 |
| SEOA2599m | SEOA2602 | SEOA2603 | SEOA2606m | SEOA2607m | SEOA2611 | SEOA2612 | SEOA2616 |
| SEOA2617 | SEOA2618 | SEOA2620 | SEOA2621 | SEOA2622 | SEOA2623 | SEOA2629 | SEOA2631 |
| SEOA2632 | SEOA2633 | SEOA2635 | SEOA2636 | SEOA2639 | SEOA2640 | SEOA2641 | SEOA2642 |
| SEOA2645 | SEOA2647 | SEOA2648 | SEOA2653 | SEOA2654 | SEOA2655 | SEOA2658 | SEOA2659 |
| SEOA2660m | SEOA2662 | SEOA2666 | SEOA2667 | SEOA2670 | SEOA2674 | SEOA2675n | SEOA2676 |
| SEOA2678m | SEOA2679m | SEOA2685 | SEOA2690m | SEOA2691m | SEOA2692m | SEOA2693m | SEOA2696m |
| SEOA2698m | SEOA2699 | SEOA2700 | SEOA2702 | SEOA2703 | SEOA2704 | SEOA2704n | SEOA2705m |
| SEOA2706 | SEOA2710 | SEOA2716 | SEOA2718 | SEOA2719 | SEOA2720 | SEOA2723 | SEOA2728 |
| SEOA2729 | SEOA2732 | SEOA2734 | SEOA2738m | SEOA2744 | SEOA2746 | SEOA2747 | SEOA2750 |
| SEOA2751 | SEOA2752 | SEOA2757 | SEOA2758 | SEOA2759 | SEOA2760 | SEOA2762 | SEOA2764 |
| SEOA2765 | SEOA2767 | SEOA2768 | SEOA2770 | SEOA2771 | SEOA2773 | SEOA2774 | SEOA2775 |
| SEOA2777 | SEOA2782 | SEOA2783 | SEOA2784 | SEOA2788 | SEOA2792 | SEOA2793 | SEOA2795n |
| SEOA2796n | SEOA2800 | SEOA2801 | SEOA2802 | SEOA2803 | SEOA2805 | SEOA2807 | SEOA2809m |
| SEOA2811 | SEOA2813 | SEOA2814 | SEOA2816 | SEOA2817n | SEOA2818 | SEOA2819 | SEOA2820 |
| SEOA2822 | SEOA2823 | SEOA2824 | SEOA2825n | SEOA2826 | SEOA2830 | SEOA2831n | SEOA2833n |
| SEOA2838 | SEOA2839 | SEOA2840 | SEOA2846 | SEOA2847n | SEOA2851 | SEOA2853 | SEOA2859 |
| SEOA2862 | SEOA2863 | SEOA2868 | SEOA2870 | SEOA2874 | SEOA2875 | SEOA2876 | SEOA2883n |
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| SEOA2962a | SEOA2964a | SEOA2966a | SEOA2967a | SEOA2968a | SEOA2970a | SEOA2971a | SEOA2972a |
| SEOA2974a | SEOA2975a | SEOA2978a | SEOA2979a | SEOA2981a | SEOA2985a | SEOA2986a | SEOA2990a |
| SEOA2994a | SEOA2995a | SEOA2996a | SEOA3002a | SEOA3007a | SEOA3009a | SEOA3010a | SEOA3016a |
| SEOA3017a | SEOA3018a | SEOA3028a | SEOA3032a | SEOA3034a | SEOA3038a | SEOA3042a | SEOA3049a |
| SEOA3051a | SEOA3052a | SEOA3053a | SEOA3055a | SEOA3062a | SEOA3063a | SEOA3065a | SEOA3069a |

Figure 8 - Continued

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|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| SEOA3074a | SEOA3075a | SEOA3076a | SEOA3079a | SEOA3081a | SEOA3084a | SEOA3088a | SEOA3092a |
| SEOA3093a | SEOA3094a | SEOA3095a | SEOA3097a | SEOA3101a | SEOA3105a | SEOA3106a | SEOA3118a |
| SEOA3121a | SEOA3122a | SEOA3124a | SEOA3125a | SEOA3127a | SEOA3129a | SEOA3130a | SEOA3131a |
| SEOA3139 | SEOA3140 | SEOA3143 | SEOA3144 | SEOA3147 | SEOA3153m | SEOA3156m | SEOA3157m |
| SEOA3162m | SEOA3164m | SEOA3166 | SEOA3167m | SEOA3168m | SEOA3171n | SEOA3173 | SEOA3174 |
| SEOA3176m | SEOA3178m | SEOA3181 | SEOA3184 | SEOA3186 | SEOA3188 | SEOA3191 | SEOA3196 |
| SEOA3199m | SEOA3205 | SEOA3209 | SEOA3212 | SEOA3216 | SEOA3217 | SEOA3219 | SEOA3221m |
| SEOA3223 | SEOA3224 | SEOA3226 | SEOA3230 | SEOA3231 | SEOA3235m | SEOA3238 | SEOA3239m |
| SEOA3241 | SEOA3242n | SEOA3245 | SEOA3248 | SEOA3249 | SEOA3250m | SEOA3251m | SEOA3252m |
| SEOA3255 | SEOA3256 | SEOA3257m | SEOA3263 | SEOA3268 | SEOA3269 | SEOA3270 | SEOA3271 |
| SEOA3272 | SEOA3274n | SEOA3287 | SEOA3288 | SEOA3289 | SEOA3290 | SEOA3293 | SEOA3295 |
| SEOA3296 | SEOA3299 | SEOA3308 | SEOA3309 | SEOA3311m | SEOA3314a | SEOA3315a | SEOA3317a |
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| SEOA3415a | SEOA3416a | SEOA3417a | SEOA3419a | SEOA3423a | SEOA3424a | SEOA3428a | SEOA3429a |
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| SEOA3467a | SEOA3472a | SEOA3474a | SEOA3476a | SEOA3477a | SEOA3486a | SEOA3489a | SEOA3490a |
| SEOA3491a | SEOA3494a | SEOA3495a | SEOA3499a | SEOA3501a | SEOA3504a | SEOA3506a | SEOA3510a |
| SEOA3511a | SEOA3512a | SEOA3515a | SEOA3516a | SEOA3524a | SEOA3525a | SEOA3531a | SEOA3533a |
| SEOA3538a | SEOA3543a | SEOA3548a | SEOA3549a | SEOA3551a | SEOA3554a | SEOA3556a | SEOA3560a |
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| SEOA3734a | SEOA3737a | SEOA3739a | SEOA3740a | SEOA3741a | SEOA3743a | SEOA3744a | SEOA3746a |
| SEOA3748a | SEOA3749a | SEOA3750a | SEOA3751a | SEOA3752a | SEOA3758a | SEOA3761a | SEOA3763a |
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| SEOA3847 | SEOA3852 | SEOA3853 | SEOA3856 | SEOA3857 | SEOA3860 | SEOA3861 | SEOA3862 |
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| SEOA3885 | SEOA3886 | SEOA3887 | SEOA3890 | SEOA3891 | SEOA3895 | SEOA3896 | SEOA3898 |
| SEOA3899 | SEOA3901 | SEOA3907 | SEOA3910 | SEOA3913 | SEOA3919 | SEOA3921 | SEOA3924 |
| SEOA3926 | SEOA3929 | SEOA3931 | SEOA3935 | SEOA3937 | SEOA3938 | SEOA3946a | SEOA3949a |
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| SEOA4010a | SEOA4011a | SEOA4012a | SEOA4014a | SEOA4017a | SEOA4019a | SEOA4020a | SEOA4021a |
| SEOA4022a | SEOA4025a | SEOA4029a | SEOA4034a | SEOA4035a | SEOA4037a | SEOA4040a | SEOA4043a |
| SEOA4044a | SEOA4048a | SEOA4053a | SEOA4055 | SEOA4056 | SEOA4057 | SEOA4058 | SEOA4061 |

Figure 8 - Continued

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|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| SEOA4062 | SEOA4063 | SEOA4068 | SEOA4070 | SEOA4076 | SEOA4079 | SEOA4082 | SEOA4084 |
| SEOA4085 | SEOA4092 | SEOA4098a | SEOA4100a | SEOA4102a | SEOA4106a | SEOA4111a | SEOA4112a |
| SEOA4116a | SEOA4122a | SEOA4123a | SEOA4125a | SEOA4127a | SEOA4128a | SEOA4129a | SEOA4132a |
| SEOA4133a | SEOA4135a | SEOA4139a | SEOA4140a | SEOA4141a | SEOA4146a | SEOA4147a | SEOA4149a |
| SEOA4154a | SEOA4157a | SEOA4158a | SEOA4160a | SEOA4163a | SEOA4165a | SEOA4167a | SEOA4170a |
| SEOA4173a | SEOA4174a | SEOA4175a | SEOA4177a | SEOA4181a | SEOA4184a | SEOA4185a | SEOA4187a |
| SEOA4190a | SEOA4193a | SEOA4194a | SEOA4197a | SEOA4198a | SEOA4200a | SEOA4204a | SEOA4206a |
| SEOA4207a | SEOA4210a | SEOA4211a | SEOA4213a | SEOA4214a | SEOA4215a | SEOA4221a | SEOA4223a |
| SEOA4229a | SEOA4232a | SEOA4234a | SEOA4239a | SEOA4242a | SEOA4246a | SEOA4250a | SEOA4255a |
| SEOA4257a | SEOA4258a | SEOA4261a | SEOA4263a | SEOA4264a | SEOA4265a | SEOA4271a | SEOA4274a |
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| SEOA4300a | SEOA4303a | SEOA4309a | SEOA4310a | SEOA4311a | SEOA4317a | SEOA4322a | SEOA4324a |
| SEOA4327a | SEOA4332a | SEOA4333 | SEOA4336a | SEOA4337a | SEOA4338a | SEOA4354a | SEOA4358a |
| SEOA4367a | SEOA4373a | SEOA4377a | SEOA4380a | SEOA4382a | SEOA4383a | SEOA4384a | SEOA4386a |
| SEOA4387a | SEOA4388a | SEOA4392a | SEOA4395a | SEOA4396a | SEOA4397a | SEOA4398a | SEOA4402a |
| SEOA4403a | SEOA4404a | SEOA4405a | SEOA4406a | SEOA4409a | SEOA4410a | SEOA4411a | SEOA4412a |
| SEOA4418a | SEOA4421a | SEOA4422a | SEOA4423a | SEOA4424a | SEOA4425a | SEOA4427a | SEOA4430a |
| SEOA4431a | SEOA4436a | SEOA4440 | SEOA4445a | SEOA4447a | SEOA4452a | SEOA4453a | SEOA4457a |
| SEOA4461a | SEOA4463a | SEOA4464a | SEOA4475a | SEOA4477a | SEOA4478a | SEOA4479a | SEOA4482 |
| SEOA4485 | SEOA4487 | SEOA4489 | SEOA4490 | SEOA4491 | SEOA4498 | SEOA4502 | SEOA4505 |
| SEOA4511 | SEOA4515 | SEOA4517 | SEOA4518 | SEOA4519 | SEOA4524 | SEOA4526 | SEOA4530 |
| SEOA4532 | SEOA4536 | SEOA4537 | SEOA4538 | SEOA4541 | SEOA4543 | SEOA4544 | SEOA4545 |
| SEOA4546 | SEOA4549 | SEOA4550 | SEOA4558 | SEOA4560 | SEOA4564 | SEOA4570 | SEOA4571 |
| SEOA4577 | SEOA4579 | SEOA4580 | SEOA4587 | SEOA4588 | SEOA4595 | SEOA4598 | SEOA4600a |
| SEOA4601a | SEOA4603a | SEOA4606a | SEOA4608a | SEOA4611a | SEOA4613a | SEOA4614a | SEOA4616a |
| SEOA4617a | SEOA4620a | SEOA4626a | SEOA4628a | SEOA4630a | SEOA4632a | SEOA4635a | SEOA4637a |
| SEOA4639a | SEOA4640a | SEOA4641a | SEOA4644a | SEOA4645a | SEOA4646a | SEOA4647a | SEOA4653a |
| SEOA4656a | SEOA4657a | SEOA4658a | SEOA4662a | SEOA4667a | SEOA4670a | SEOA4671a | SEOA4674a |
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| SEOA4692a | SEOA4693a | SEOA4694a | SEOA4699a | SEOA4700a | SEOA4704 | SEOA4705a | SEOA4709a |
| SEOA4711a | SEOA4712a | SEOA4713a | SEOA4715a | SEOA4716a | SEOA4717a | SEOA4726a | SEOA4727a |
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| SEOA4754a | SEOA4756a | SEOA4767a | SEOA4768a | SEOA4771a | SEOA4772a | SEOA4773a | SEOA4778a |
| SEOA4780a | SEOA4783a | SEOA4785a | SEOA4786a | SEOA4791a | SEOA4795a | SEOA4796a | SEOA4798a |
| SEOA4802a | SEOA4806a | SEOA4808a | SEOA4809a | SEOA4810a | SEOA4811a | SEOA4815a | SEOA4816a |
| SEOA4818a | SEOA4822a | SEOA4829a | SEOA4830a | SEOA4834a | SEOA4837a | SEOA4839a | SEOA4840a |
| SEOA4846a | SEOA4847a | SEOA4849a | SEOA4857a | SEOA4858a | SEOA4860a | SEOA4862a | SEOA4867a |
| SEOA4868a | SEOA4869a | SEOA4870a | SEOA4873a | SEOA4875a | SEOA4876a | SEOA4878a | SEOA4879a |
| SEOA4880a | SEOA4883a | SEOA4886a | SEOA5010a | SEOA5035a | SEOA5036a | SEOA5038a | SEOA5043a |
| SEOA5047a | SEOA5048a | SEOA5055a | SEOA5057a | SEOA5058a | SEOA5060a | SEOA5068a | SEOA5074a |
| SEOA5077a | SEOA5078a | SEOA5082a | SEOA5085a | SEOA5088a | SEOA5089a | SEOA5090a | SEOA5094a |
| SEOA5098a | SEOA5103a | SEOA5105a | SEOA5110a | SEOA5114a | SEOA5115a | SEOA5116a | SEOA5121a |
| SEOA5127a | SEOA5128a | SEOA5136a | SEOA5138a | SEOA5146a | SEOA5148a | SEOA5151a | SEOA5153a |
| SEOA5156a | SEOA5157a | SEOA5162a | SEOA5163a | SEOA5164a | SEOA5166a | SEOA5170a | SEOA5176a |
| SEOA5196a | SEOA5202a | SEOA5203a | SEOA5209a | SEOA5211a | SEOA5212a | SEOA5214a | SEOA5220a |
| SEOA5223a | SEOA5227a | SEOA5228a | SEOA5229a | SEOA5232a | SEOA5234a | SEOA5235a | SEOA5239a |
| SEOA5245a | SEOA5246a | SEOA5249a | SEOA5253a | SEOA5258a | SEOA5265a | SEOA5267a | SEOA5270a |
| SEOA5272a | SEOA5273a | SEOA5275a | SEOA5277a | SEOA5278a | SEOA5279a | SEOA5281a | SEOA5282a |
| SEOA5285a | SEOA5286a | SEOA5291a | SEOA5294a | SEOA5299a | SEOA5300a | SEOA5302a | SEOA5311a |

Figure 8 - Continued

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|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| SEOA5314a | SEOA5315a | SEOA5318a | SEOA5319a | SEOA5320a | SEOA5323a | SEOA5325a | SEOA5328a |
| SEOA5330a | SEOA5335a | SEOA5342 | SEOA5343 | SEOA5348 | SEOA5351 | SEOA5352 | SEOA5356 |
| SEOA5358 | SEOA5359 | SEOA5363 | SEOA5365 | SEOA5366 | SEOA5368 | SEOA5370 | SEOA5371 |
| SEOA5372 | SEOA5376 | SEOA5382 | SEOA5386 | SEOA5387 | SEOA5388 | SEOA5391 | SEOA5393 |
| SEOA5394 | SEOA5395 | SEOA5396 | SEOA5403 | SEOA5405 | SEOA5413 | SEOA5414 | SEOA5415 |
| SEOA5418 | SEOA5422 | SEOA5432 | SEOA5433 | SEOA5436 | SEOA5442 | SEOA5444 | SEOA5445 |
| SEOA5447 | SEOA5448 | SEOA5449 | SEOA5450 | SEOA5452 | SEOA5453 | SEOA5454 | SEOA5455 |
| SEOA5461 | SEOA5463a | SEOA5464a | SEOA5465a | SEOA5468a | SEOA5469a | SEOA5473a | SEOA5475a |
| SEOA5478a | SEOA5479a | SEOA5483a | SEOA5489a | SEOA5491a | SEOA5493a | SEOA5498a | SEOA5502a |
| SEOA5503a | SEOA5504a | SEOA5508a | SEOA5509a | SEOA5520a | SEOA5522a | SEOA5525a | SEOA5527a |
| SEOA5528a | SEOA5530a | SEOA5533a | SEOA5537a | SEOA5540a | SEOA5543a | SEOA5544a | SEOA5546a |
| SEOA5549a | SEOA5552a | SEOA5554a | SEOA5556a | SEOA5557a | SEOA5559a | SEOA5563a | SEOA5567a |
| SEOA5572a | SEOA5575a | SEOA5577a | SEOA5580a | SEOA5583a | SEOA5584a | SEOA5586a | SEOA5588a |
| SEOA5590a | SEOA5592a | SEOA5595a | SEOA5596a | SEOA5597a | SEOA5603a | SEOA5605a | SEOA5606a |
| SEOA5612a | SEOA5613a | SEOA5616a | SEOA5621a | SEOA5622a | SEOA5623a | SEOA5627a | SEOA5636a |
| SEOA5637a | SEOA5640a | SEOA5641a | SEOA5642a | SEOA5644a | SEOA5646a | SEOA5649a | SEOA5651a |
| SEOA5655a | SEOA5656a | SEOA5658a | SEOA5662a | SEOA5664a | SEOA5665a | SEOA5670a | SEOA5671a |
| SEOA5675a | SEOA5677a | SEOA5678a | SEOA5679a | SEOA5680a | SEOA5681a | SEOA5682a | SEOA5683a |
| SEOA5685a | SEOA5687a | SEOA5689a | SEOA5691a | SEOA5694a | SEOA5697a | SEOA5698a | SEOA5699a |
| SEOA5703a | SEOA5710a | SEOA5714a | SEOA5717a | SEOA5720a | SEOA5721a | SEOA5723a | SEOA5731a |
| SEOA5733a | SEOA5734a | SEOA5736a | SEOA5741a | SEOA5742a | SEOA5743a | SEOA5744a | SEOA5746a |
| SEOA5748a | SEOA5749a | SEOA5750a | SEOA5753a | SEOA5755a | SEOA5757a | SEOA5759 | SEOA5760 |
| SEOA5762 | SEOA5764 | SEOA5765 | SEOA5766 | SEOA5767 | SEOA5771 | SEOA5774 | SEOA5775 |
| SEOA5777 | SEOA5778 | SEOA5780 | SEOA5784 | SEOA5785 | SEOA5787 | SEOA5790 | SEOA5792 |
| SEOA5793 | SEOA5794 | SEOA5795 | SEOA5798 | SEOA5799 | SEOA5800 | SEOA5801 | SEOA5805 |
| SEOA5807 | SEOA5809 | SEOA5811 | SEOA5813 | SEOA5815 | SEOA5816 | SEOA5817 | SEOA5818 |
| SEOA5820 | SEOA5823 | SEOA5826 | SEOA5829 | SEOA5830 | SEOA5832 | SEOA5833 | SEOA5836 |
| SEOA5838 | SEOA5839 | SEOA5841 | SEOA5844 | SEOA5845 | SEOA5848 | SEOA5849 | SEOA5857 |
| SEOA5858 | SEOA5859 | SEOA5863 | SEOA5866 | SEOA5868 | SEOA5870 | SEOA5871 | SEOA5873 |
| SEOA5876 | SEOA5877 | SEOA5878 | SEOA5881 | SEOA5887 | SEOA5890 | SEOA5894 | SEOA5896 |
| SEOA5900 | SEOA5909 | SEOA5911 | SEOA5915 | SEOA5917 | SEOA5918 | SEOA5924 | SEOA5926 |
| SEOA5927 | SEOA5930 | SEOA5932 | SEOA5933 | SEOA5935 | SEOA5937 | SEOA5938 | SEOA5942 |
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| SEOA6001a | SEOA6008a | SEOA6009a | SEOA6015a | SEOA6019a | SEOA6027a | SEOA6029a | SEOA6032a |
| SEOA6033a | SEOA6034a | SEOA6035a | SEOA6036a | SEOA6038a | SEOA6039a | SEOA6050a | SEOA6051a |
| SEOA6058a | SEOA6060a | SEOA6064a | SEOA6066a | SEOA6068a | SEOA6069a | SEOA6070a | SEOA6071a |
| SEOA6075a | SEOA6078a | SEOA6080a | SEOA6082a | SEOA6084a | SEOA6087a | SEOA6088a | SEOA6090a |
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| SEOA6107a | SEOA6108a | SEOA6114a | SEOA6115a | SEOA6118a | SEOA6119a | SEOA6123a | SEOA6129a |
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| SEOA6146a | SEOA6150a | SEOA6151a | SEOA6152a | SEOA6155a | SEOA6156a | SEOA6160a | SEOA6161a |
| SEOA6163a | SEOA6164a | SEOA6166a | SEOA6168a | SEOA6172a | SEOA6174a | SEOA6175a | SEOA6177a |
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| SEOA6198a | SEOA6201a | SEOA6203a | SEOA6210a | SEOA6220 | SEOA6221 | SEOA6223 | SEOA6226 |
| SEOA6229 | SEOA6230 | SEOA6231 | SEOA6234 | SEOA6235 | SEOA6241 | SEOA6246 | SEOA6248 |
| SEOA6249 | SEOA6253 | SEOA6254 | SEOA6255 | SEOA6260 | SEOA6261 | SEOA6262 | SEOA6265 |
| SEOA6267 | SEOA6270 | SEOA6271 | SEOA6273 | SEOA6277 | SEOA6281 | SEOA6284 | SEOA6286 |
| SEOA6287 | SEOA6289 | SEOA6293 | SEOA6295 | SEOA6296 | SEOA6299 | SEOA6304 | SEOA6308 |

Figure 8 - Continued

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|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| SEOA6311 | SEOA6313 | SEOA6314 | SEOA6315 | SEOA6316 | SEOA6317 | SEOA6323 | SEOA6332 |
| SEOA6334 | SEOA6337 | SEOA6342 | SEOA6344 | SEOA6345 | SEOA6346 | SEOA6347 | SEOA6355 |
| SEOA6357 | SEOA6358 | SEOA6359 | SEOA6360 | SEOA6363 | SEOA6364 | SEOA6365 | SEOA6367 |
| SEOA6371 | SEOA6373 | SEOA6374 | SEOA6377 | SEOA6379 | SEOA6386 | SEOA6387 | SEOA6389 |
| SEOA6390 | SEOA6391 | SEOA6392 | SEOA6393 | SEOA6395 | SEOA6397 | SEOA6398 | SEOA6399 |
| SEOA6400 | SEOA6401 | SEOA6402 | SEOA6404 | SEOA6405 | SEOA6413 | SEOA6414 | SEOA6419 |
| SEOA6421 | SEOA6423 | SEOA6426 | SEOA6429 | SEOA6432 | SEOA6433 | SEOA6434 | SEOA6435 |
| SEOA6445a | SEOA6449a | SEOA6450a | SEOA6452a | SEOA6453a | SEOA6454a | SEOA6456a | SEOA6466a |
| SEOA6470a | SEOA6476a | SEOA6479a | SEOA6481a | SEOA6484a | SEOA6487a | SEOA6490a | SEOA6491a |
| SEOA6493a | SEOA6494a | SEOA6503a | SEOA6505a | SEOA6508a | SEOA6510a | SEOA6512a | SEOA6514a |
| SEOA6516a | SEOA6517a | SEOA6519a | SEOA6521a | SEOA6523a | SEOA6524a | SEOA6526a | SEOA6528a |
| SEOA6532a | SEOA6536a | SEOA6539a | SEOA6540a | SEOA6541a | SEOA6543a | SEOA6550a | SEOA6552a |
| SEOA6553a | SEOA6554a | SEOA6556a | SEOA6563a | SEOA6564a | SEOA6565a | SEOA6567a | SEOA6571a |
| SEOA6572a | SEOA6573a | SEOA6574a | SEOA6575a | SEOA6579a | SEOA6580a | SEOA6583a | SEOA6591a |
| SEOA6594a | SEOA6607a | SEOA6608a | SEOA6610a | SEOA6612a | SEOA6613a | SEOA6614a | SEOA6615a |
| SEOA6617a | SEOA6620a | SEOA6621a | SEOA6622a | SEOA6624a | SEOA6626a | SEOA6630a | SEOA6632a |
| SEOA6633a | SEOA6637a | SEOA6638a | SEOA6642a | SEOA6643a | SEOA6645a | SEOA6647a | SEOA6650a |
| SEOA6651a | SEOA6652a | SEOA6654a | SEOA6657a | SEOA6658a | SEOA6661a | SEOA6664a | SEOA6671a |
| SEOA6672a | SEOA6674a | SEOA6675a | SEOA6676a | SEOA6677a | SEOA6682a | SEOA6685a | SEOA6686a |
| SEOA6687a | SEOA6693a | SEOA6694a | SEOA6695a | SEOA6696a | SEOA6697a | SEOA6698a | SEOA6701a |
| SEOA6702a | SEOA6704a | SEOA6705a | SEOA6711 | SEOA6718 | SEOA6721 | SEOA6723 | SEOA6724 |
| SEOA6726 | SEOA6728 | SEOA6730 | SEOA6731 | SEOA6732 | SEOA6733 | SEOA6734 | SEOA6736 |
| SEOA6739 | SEOA6743 | SEOA6745 | SEOA6747 | SEOA6748 | SEOA6750 | SEOA6751 | SEOA6752 |
| SEOA6753 | SEOA6754 | SEOA7061a | SEOA7064a | SEOA7066a | SEOA7069a | SEOA7072a | SEOA7074a |
| SEOA7075a | SEOA7077a | SEOA7078a | SEOA7085a | SEOA7086a | SEOA7091a | SEOA7094a | SEOA7095a |
| SEOA7098a | SEOA7099a | SEOA7109a | SEOA7110a | SEOA7114a | SEOA7123a | SEOA7126a | SEOA7129a |
| SEOA7133a | SEOA7135a | SEOA7146a | SEOA7147a | SEOA7151a | SEOA7153a | SEOA7155a | SEOA7157a |
| SEOA7159a | SEOA7160a | SEOA7166a | SEOA7167a | SEOA7174a | SEOA7175a | SEOA7177a | SEOA7178a |
| SEOA7181a | SEOA7184a | SEOA7186a | SEOA7187a | SEOA7188a | SEOA7190a | SEOA7192a | SEOA7196a |
| SEOA7197a | SEOA7199a | SEOA7201a | SEOA7204a | SEOA7206a | SEOA7211a | SEOA7212a | SEOA7213a |
| SEOA7214a | SEOA7216a | SEOA7218a | SEOA7220a | SEOA7223a | SEOA7225a | SEOA7226a | SEOA7228a |
| SEOA7229a | SEOA7231a | SEOA7239a | SEOA7240a | SEOA7244a | SEOA7245a | SEOA7249a | SEOA7250a |
| SEOA7251a | SEOA7256a | SEOA7257a | SEOA7261a | SEOA7263a | SEOA7268a | SEOA7271a | SEOA7272a |
| SEOA7274a | SEOA7277a | SEOA7278a | SEOA7281a | SEOA7286a | SEOA7289a | SEOA7294a | SEOA7295a |
| SEOA7296a | SEOA7298a | SEOA7299a | SEOA7300a | SEOA7301a | SEOA7313a | SEOA7314a | SEOA7315a |
| SEOA7316a | SEOA7317a | SEOA7318a | SEOA7320a | SEOA7322a | SEOA7324a | SEOA7328a | SEOA7334a |
| SEOA7335a | SEOA7337a | SEOA7341a | SEOA7342a | SEOA7344a | SEOA7352a | SEOA7361a | SEOA7365a |
| SEOA7366a | SEOA7369a | SEOA7373a | SEOA7378a | SEOA7380a | SEOA7383a | SEOA7385a | SEOA7386a |
| SEOA7387a | SEOA7390a | SEOA7393a | SEOA7394a | SEOA7399a | SEOA7403a | SEOA7404a | SEOA7408a |
| SEOA7411a | SEOA7415a | SEOA7416a | SEOA7417a | SEOA7419a | SEOA7421a | SEOA7422a | SEOA7433a |
| SEOA7436a | SEOA7442a | SEOA7443a | SEOA7444a | SEOA7448a | SEOA7449a | SEOA7451a | SEOA7453a |
| SEOA7455a | SEOA7458a | SEOA7459a | SEOA7460a | SEOA7466a | SEOA7467a | SEOA7471a | SEOA7472a |
| SEOA7474a | SEOA7476a | SEOA7477a | SEOA7478a | SEOA7481a | SEOA7483a | SEOA7484a | SEOA7485a |
| SEOA7487a | SEOA7489a | SEOA7496a | SEOA7500a | SEOA7503a | SEOA7504a | SEOA7509a | SEOA7511a |
| SEOA7517a | SEOA7519a | SEOA7521a | SEOA7522a | SEOA7523a | SEOA7524a | SEOA7526a | SEOA7535a |
| SEOA7536a | SEOA7541a | SEOA7542a | SEOA7543a | SEOA7544a | SEOA7546a | SEOA7547a | SEOA7549a |
| SEOA7551a | SEOA7552a | SEOA7553a | SEOA7555a | SEOA7563a | SEOA7564a | SEOA7565a | SEOA7571a |
| SEOA7573a | SEOA7574a | SEOA7577a | SEOA7580a | SEOA7582a | SEOA7583a | SEOA7584a | SEOA7587a |
| SEOA7589a | SEOA7595a | SEOA7602a | SEOA7603a | SEOA7605a | SEOA7607a | SEOA7608a | SEOA7610a |

Figure 8 - Continued

| | | | | | | | |
|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| SEOA7612a | SEOA7615a | SEOA7620a | SEOA7622a | SEOA7623a | SEOA7624a | SEOA7629a | SEOA7633a |
| SEOA7635a | SEOA7639a | SEOA7640a | SEOA7642a | SEOA7643a | SEOA7645a | SEOA7647a | SEOA7648a |
| SEOA7649a | SEOA7651a | SEOA7652a | SEOA7653a | SEOA7655a | SEOA7659a | SEOA7662a | SEOA7666a |
| SEOA7668a | SEOA7669a | SEOA7672a | SEOA7675a | SEOA7676a | SEOA7892a | SEOA7899a | SEOA7902a |
| SEOA7910a | SEOA7914a | SEOA7915a | SEOA7917a | SEOA7918a | SEOA7919a | SEOA7920a | SEOA7924a |
| SEOA7926a | SEOA7928a | SEOA7929a | SEOA7930a | SEOA7931a | SEOA7933a | SEOA7935a | SEOA7940a |
| SEOA7943a | SEOA7945a | SEOA7948a | SEOA7951a | SEOA7952a | SEOA7953a | SEOA8165a | SEOA8167a |
| SEOA8171a | SEOA8173a | SEOA8174a | SEOA8177a | SEOA8179a | SEOA8186a | SEOA8187a | SEOA8188a |
| SEOA8191a | SEOA8195a | SEOA8199a | SEOA8200a | SEOA8202a | SEOA8306a | SEOA8310a | SEOA8313a |
| SEOA8317a | SEOA8321a | SEOA8323a | SEOA8324a | SEOA8327a | SEOA8331a | SEOA8334a | SEOA8335a |
| SEOA8343a | SEOA8347a | SEOA8351a | SEOA8354a | SEOA8355a | SEOA8357a | SEOA8358a | SEOA8359a |
| SEOA8360a | SEOA8361a | SEOA8364a | SEOA8366a | SEOA8370a | SEOA8371a | SEOA8372a | SEOA8374a |
| SEOA8377a | SEOA8383a | SEOA8384a | SEOA8387a | SEOA8388a | SEOA8389a | SEOA8391a | SEOA8392a |
| SEOA8393a | SEOA8395a | SEOA8396a | SEOA8397a | SEOA8399a | SEOA8401a | SEOA8406a | SEOA8407a |

Figure 9 - Candidate Upregulated Genes in Mild OA Library

| No. | Sequence Name | Gene Name | Accession Number |
|-------|---------------|---|------------------|
| 1 | SEOA0290 | No sequence match | |
| 2 | MIOA0601a | Beta-globin | emb V00497 |
| 3 | MIOA4572a | Cytochrome b-245, beta polypeptide (chronic granulomatous disease) (CYBB) (=X04011) | gi 4557506 |
| 4 | SEOA4040a | Class II invariant gamma-chain | emb X03340 |
| 5 | MIOA1839a | Thymosin beta-4 | gb M17733 |
| 6 | SEOA3887 | EST(nz80g08.s1 NCI_CGAP_GCB1 clone IMAGE:1301822) | gb AA767226 |
| 7 | SEOA3860 | EST(tm54e09.x1 NCI_CGAP_Kid11 clone IMAGE:2161960 3' contains Alu repeat) | gb A1478625.1 |
| 8 | SEOA0200A | Ia-associated invariant gamma-chain gene | gb M13560 |
| 9 | SEOA3935 | DNA sequence (UWGC:y18c282 from 6p21) | gb AC004190 |
| 10 | SEOA0174a | Promyelocytic leukemia cell | gb M11948 |
| ** 11 | MIOA2983a | Megakaryocyte stimulating factor | gb U70136 |
| 12 | SEOA3648a | Ribosomal protein S23 | dbj AB007158 |
| 13 | SEOA2970a | Major histocompatibility class II antigen gamma chain | gb K01144 |
| 14 | MIOA3581a | EST(om82e10.s1 NCI_CGAP_Kid3 clone IMAGE:1553706 3') | gb AA983535 |
| 15 | MIOA0682n | DNA sequence (HS_3009_A2_C04_T7 CIT Approved Human Genomic Sperm Library D) | gb AQ130698 |
| 16 | SEOA4204a | Monocyte chemotactic protein-3 (MCP-3) | X72308 |
| 17 | SEOA4214a | EST zt99d07.r1 Soares testis NHT cDNA clone 730477 5' | AA412384 |
| 18 | MIOA1996 | DNA sequence (Chromosome X) | gb AC002416 |
| 19 | SEOA4382a | Vacuolar H(+) -ATPase subunit mRNA, complete cds | AF038954 |
| 20 | MIOA1556 | MHC class I HLA-C-alpha-2 chain | gb M24097 |
| 21 | MIOA2114 | No sequence match | |
| 22 | MIOA3163a | Stearoyl-CoA desaturase (SCD) | gb AF097514.1 |
| * 23 | MIOA2451a | Adipocyte lipid-binding protein | gb J02874 |
| 24 | SEOA0279 | S100E calcium binding protein | emb Z18950 |
| 25 | MIOA5127a | EST ng06h03.s1 NCI_CGAP_Li1 IMAGE:928661 | AA501695 |
| 26 | SEOA2892a | Fc-gamma-receptorIIb(FCGR3B) | gb M90746 |
| 27 | SEOA3665a | Growth arrest and DNA-damage-inducible protein (gadd45) | gb M60974 |
| 28 | SEOA1448a | MHC class I HLA-Bw62, haplotype A1/A2,B8/Bw62,Cw3/Cw7 (clone pMF28) | gb M28204 |
| 29 | MIOA1773 | EST(zc34b09.s1 Soares senescent fibroblasts NbHSF clone 324185 3') | gb W47478 |
| 30 | SEOA2833n | Hypothetical protein cDNA DKFZp586J021 similar to Cavia porcellus metalloproteinase inhibitor TIMP-2 mRNA, complete cds(AF127803.1) | AL110197.1 |
| 31 | MIOA4827a | mRNA expressed only in placental villi, clone SMAP47 | AB019564 |
| 32 | SEOA2974a | Metalloproteinase inhibitor TIMP-2 | gb AF127803.1 |
| 33 | MIOA2436a | EST(nc50d05.r1 NCI_CGAP_Pr3 clone IMAGE:1011561 contains Alu repeat) | gb AA229076 |
| 34 | MIOA4601a | Cytochrome c oxidase subunit II gene (ORF), mitochondrial gene encoding mitochondrial protein, | AF004339 |
| 35 | SEOA0409 | NADH dehydrogenase subunit 2 (ND2) | gb AF014897.2 |
| 36 | MIOA0501 | DNA sequence (clone 1000E10 on chromosome 1p12-13.3) | emb AL096773.6 |

Median ratio is equal to or greater than 2.0

* detected only in severe OA library by EST analysis, i.e. not detected in mild OA library

** observed to have higher expression in severe OA library as compared to mild OA library by EST analysis

Figure 10 - Candidate Downregulated Genes in Mild OA Library

| No. | Sequence Name | Gene Name | Accession Number |
|-----|---------------|---|------------------|
| 1 | SEOA0866 | EST (wj34b11.x1 NCI CGAP Kid12 clone IMAGE:2404701 3') | gb AI816793.1 |
| 2 | seoa1145a | small acidic protein | gb U51678 |
| 3 | seoa1596a | B-cell translocation protein 1 (BTG1) | emb X61123 |
| 4 | seoa1300a | osteopontin | dbj D14813 |
| 5 | SEOA2136 | EST(EST78578 Pineal gland 1 5') | gb AA367442 |
| 6 | seoa2534 | EST(zk86d01.s1 Soares pregnant uterus NbHPU clone 489697 3') | gb AA099585 |
| 7 | seoa2358a | vimentin (HuVim3) | gb M25246 |
| 8 | seoa5366 | tenascin= hexabrachion | emb X56160 |
| 9 | seoa5498a | EST(ol31g10.s1 Soares_NFL_T_GBC_S1 clone IMAGE:1525122 3') | gb AA913562 |
| 10 | seoa5694a | EST(wk80f06.x1 NCI CGAP Pan1 clone IMAGE:2421731 3') | gb AI813984.1 |
| 11 | seoa5932 | EST(tg37c12.x1 Soares_NFL_T_GBC_S1 clone IMAGE:2110966 3') | gb AI418593 |
| 12 | MIOA0764 | Novel | |
| 13 | seoa7289a | EST(df04e10.y1 Morton Fetal Cochlea clone IMAGE:2482675 5') | gb AW020116.1 |
| 14 | mioa1647a | EST(wg44e11.x1 Soares_NSF_F8_9W_OT_PA_P_S1 clone IMAGE:2367980 3') | gb AI742654.1 |
| 15 | mioa1677a | EST(ok24e10.s1 Soares_NSF_F8_9W_OT_PA_P_S1 clone IMAGE:1508778 3') | gb AA897786 |
| 16 | mioa3124a | EST(df19f04.y1 Morton Fetal Cochlea clone IMAGE:2483862 5') | gb AW021164.1 |
| 17 | mioa2454a | EST(wj32h12.x1 NCI CGAP Kid12 clone IMAGE:2404583 3') | gb AI819228.1 |
| 18 | mioa2678a | EST(yo59a03.r1 clone 182188 5') | gb H30104 |
| 19 | mioa3277 | EST(zx10c10.s1 Soares total fetus Nb2HF8 9w clone 786066 3') | gb AA448648 |
| 20 | mioa3473a | Id-2H | dbj D13891 |
| 21 | mioa3872 | DNA sequence (CpG island DNA genomic Mse1 fragment, clone 70g11, reverse read cpg70g11.r1a) | emb Z62622 |
| 22 | mioa4394 | EST yd36b07.r1 cDNA clone 110293 5' | T82005 |
| 23 | mioa3873 | DNA sequence (DKFZp586P2421 clone DKFZp586P2421) | emb AL110267.1 |
| 24 | mioa4311a | EST(aorta GEN-204H02 5') | dbj D61737 |
| 25 | seoa0890n | chitinase precursor (HUMTCHIT) | gb U58514 |
| 26 | SEOA1380 | EST(yh88a12.s1 clone 136798 3') | gb R36451 |
| 27 | SEOA1523 | Novel | |
| 28 | SEOA1914 | Novel | |
| 29 | seoa2979a | connective tissue growth factor | gb U14750 |
| 30 | seoa3740a | EST(tm33a02.x1 NCI CGAP Kid11 clone IMAGE:2159882 3') | gb AI480082.1 |
| 31 | seoa5267a | ribonuclease, RNase A family, 4 (RNASE4), =D37931 | NM_002937.1 |
| 32 | seoa6160a | EST(qt26b11.x1 Soares_pregnant_uterus_NbHPU clone IMAGE:1949085 3') | gb AI342123 |
| 33 | seoa6647a | EST(zd17g02.s1 Soares fetal heart NbHH19W clone 340946 3') | gb W57810 |
| 34 | seoa6721 | EST(yw24e10.r1 clone 253194 5') | gb H88893 |
| 35 | mioa0074a | EST (tm33a02.x1 NCI CGAP Kid11 clone IMAGE:2159882 3') | gb AI480082.1 |
| 36 | MIOA0751 | EST (aorta GEN-233F03 5') | dbj D62028 |
| 37 | mioa1414 | EST(EST98866 Thyroid 5') | gb AA385002 |
| 38 | mioa1560 | Novel | |
| 39 | mioa1690a | EST (tz92d08.x1 NCI CGAP Kid11 clone IMAGE:2296047 3') | gb AI636068.1 |
| 40 | mioa1542m | EST yw36b06.s1 cDNA clone 254291 3' | N22257 |
| 41 | mioa1841a | EST(tj57e04.x1 Soares_NSF_F8_9W_OT_PA_P_S1 clone IMAGE:2145630 3' contains Alu repeat) | gb AI453569 |
| 42 | mioa1737 | EST(zw18b09.s1 Soares ovary tumor NbHOT clone 769625 3' contains L1.11 MER12 repeat) | gb AA428305 |
| 43 | mioa2568a | osteoinductive factor OIF | gb AF100758.1 |
| 44 | mioa2564a | EST(tm33a02.x1 NCI CGAP Kid11 clone IMAGE:2159882 3') | gb AI480082.1 |
| 45 | mioa2398a | collagen alpha-1 type XI (COL11A1) | gb J04177 |
| 46 | mioa4136 | EST qe49g12.x1 Soares_fetal_lung_NbHL19W IMAGE:1742374 3' | AI185817 |
| 47 | mioa4587a | Novel | |

Median ratio is equal to or less than 0.2

Figure 11 - Candidate Upregulated Genes in Severe OA Library

| Sequence Name | Gene Name | Accession Number |
|---------------|---|------------------|
| MIOA5310a | Proline arginine-rich end leucine-rich repeat protein (PRELP) =U29089 (ORF) | NM_002725.1 |
| MIOA4136 | EST qe49g12.x1 Soares_fetal_lung_NbHL19W IMAGE:1742374 3' | AI185817 |
| MIOA4421 | EST zx10c10.r1 Soares total fetus Nb2HF8 9w cDNA clone 786066 5' | AA448744 |
| MIOA4206 | EST th94b03.x1 Soares_NSF_F8_9W_OT_PA_P_S1 IMAGE:2126285 3' | AI435406 |
| MIOA3944a | RASF-A PLA2 (synovial phospholipase) | gb M22431 |
| MIOA3807 | DNA sequence (clone 23767 and 23782) | gb AF007150 |
| MIOA2564a | EST(tm33a02.x1 NCI_CGAP_Kid11 clone IMAGE:2159882 3') | gb AI480082.1 |
| MIOA1841a | EST(tj57e04.x1 Soares_NSF_F8_9W_OT_PA_P_S1 clone IMAGE:2145630 3' contains Alu repeat) | gb AI453569 |
| MIOA1542m | EST yw36b06.s1 cDNA clone 254291 3' | N22257 |
| MIOA1690a | EST(tz92d08.x1 NCI_CGAP_Kid11 clone IMAGE:2296047 3') | gb AI636068.1 |
| MIOA1134 | Novel | |
| MIOA0751 | EST (aorta GEN-233F03 5') | dbj D62028 |
| SEOA3836 | Novel | |
| MIOA0074a | EST (tm33a02.x1 NCI_CGAP_Kid11 clone IMAGE:2159882 3') | gb AI480082.1 |
| SEOA7373a | Hypothetical protein (KIAA0693) | dbj AB014593 |
| SEOA3740a | EST(tm33a02.x1 NCI_CGAP_Kid11 clone IMAGE:2159882 3') | gb AI480082.1 |
| SEOA3924 | Novel | |
| SEOA3543a | EST(zl07g07.r1 NCI_CGAP_GCB1 clone IMAGE:712476 5') | gb AA280112 |
| SEOA3739a | Chondroitin/dermatan sulfate proteoglycan (PG40) core protein (decorin) | gb M14219 |
| SEOA3766a | SP40,40 (=M63379 TRPM-2 protein) | gb L00974 |
| SEOA3538a | YKL-39 precursor (=U58514 chitinase precursor) | gb U49835 |
| SEOA2603 | Novel | |
| SEOA0890n | Chitinase precursor (HUMTCHIT) | gb U58514 |
| MIOA4567a | Hypothetical protein (KIAA0062) | dbj D31887 |
| SEOA3556a | Maternal-embryonic 3 (Mem3) | gb U47024 |
| MIOA3872 | Ribosomal protein S29 | NM_001032 |
| MIOA2678a | EST(yo59a03.r1 clone 182188 5') | gb H30104 |
| MIOA2561a | EST(df04e10.y1 Morton Fetal Cochlea clone IMAGE:2482675 5') | gb AW020116.1 |
| MIOA0958 | EST (aorta GEN-328B10 5') | dbj D62811 |
| SEOA7289a | EST(df04e10.y1 Morton Fetal Cochlea clone IMAGE:2482675 5') | gb AW020116.1 |
| SEOA2358a | Vimentin (HuVim3) | gb M25246 |
| SEOA2986a | DNA sequence (chromosome 6 clone 608E8) | emb AL022343.5 |
| SEOA2136 | EST(EST78578 Pineal gland 1 5') | gb AA367442 |
| SEOA1300a | Osteopontin | dbj D14813 |
| SEOA0379 | integral membrane serine protease Seprase | gb U76833 |
| SEOA0218a | Hexabrachion (HXB) (=tenascin) | gb M55618 |
| SEOA1403 | Phospholipase A2, membrane associated precursor | sp P14555 |
| SEOA0866 | EST (wj34b11.x1 NCI_CGAP_Kid12 clone IMAGE:2404701 3') | gb AI816793.1 |

in ratio is equal to or greater than 2.0

ected only in severe OA library by EST analysis and not in mild OA library

erved to have higher expression in severe OA library as compared to mild OA library by EST analysis

Figure 12 - Candidate Downregulated Genes in Severe OA Library

| No. | Sequence Name | Gene Name | Accession Number |
|-----|---------------|--|------------------|
| 1 | seoa0541n | DNA sequence (chromosome 21q22.1, D21S226-AML region, clone B2344F14-f50E8, segment 5/9) | dbj AP000169.1 |
| 2 | mioa1561 | EST(zp01h08.r1 Stratagene ovarian cancer (#937219) clone 595167 5') | gb AA174046 |
| 3 | mioa2531a | high endothelial venule | emb X82157 |
| 4 | SEOA0200A | Ia-associated invariant gamma-chain gene | gb M13560 |
| 5 | seoa0174a | promyelocytic leukemia cell | gb M11948 |
| 6 | seoa3935 | DNA sequence (UWGC:y18c282 from 6p21) | gb AC004190 |
| 7 | mioa1839a | thymosin beta-4 | gb M17733 |
| 8 | mioa2451a | adipocyte lipid-binding protein | gb J02874 |
| 9 | mioa3765 | selenoprotein P | emb Z11793 |
| 10 | MIOA1605A | hypothetical protein (clone PLACE1005187) (weakly similar to APAG PROTEIN) | dbj AK001943.1 |
| 11 | seoa3472a | MHC class II HLA-DR-beta-1 (HLA-DRB1) | gb M33600 |
| 12 | seoa3887 | EST(nz80g08.s1 NCI CGAP GC81 clone IMAGE:1301822) | gb AA767226 |
| 13 | mioa0682n | DNA sequence (HS_3009_A2_C04_T7 CIT Approved Human Genomic Sperm Library D) | gb AQ130698 |
| 14 | mioa2963a | heparin-binding EGF-like growth factor | gb M60278 |
| 15 | mioa2223a | EST(zd60a07.r1 Soares fetal heart NbHH19W clone 345012 5') | gb W76307 |
| 16 | seoa2892a | Fc-gamma-receptorIIIB(FCGR3B) | gb M90746 |
| 17 | mioa1556 | MHC class I HLA-C-alpha-2 chain | gb M24097 |
| 18 | mioa2983a | megakaryocyte stimulating factor | gb U70136 |
| 19 | mioa0601a | beta-globin | emb V00497 |
| 20 | mioa1750n | Novel | |
| 21 | mioa4572a | cytochrome b-245, beta polypeptide (chronic granulomatous disease) (CYBB) (=X04011) | gi 4557506 |
| 22 | seoa1448a | MHC class I HLA-Bw62, haplotype A1/A2,B8/Bw62,Cw3/Cw7 (clone pMF28) | gb M28204 |
| 23 | mioa3754a | EST(wj18b08.x1 NCI CGAP Kid12 clone IMAGE:2403159 3') | gb AI796445.1 |
| 24 | mioa2499a | DNA sequence (chromosome 17, clone hRPK.259_G_18) | gb AC005829 |
| 25 | mioa2642 | lipoprotein lipase | gb M15856 |
| 26 | mioa1803m | EST yq20a12.s1 Soares fetal liver spleen 1NFLS cDNA clone 274102 3' | H49472 |
| 27 | mioa1555 | EST(yj10e03.r1 clone 148348 5') | gb H13072 |
| 28 | mioa2238a | DNA sequence (BAC clone RG118P15 from 8q21) | gb AC005066 |
| 29 | mioa3149a | DNA sequence (HS_5336_B2_E05_T7A RPCI-11 Male BAC Library) | gb AQ569402.1 |
| 30 | seoa6514a | Novel | |
| 31 | mioa1996 | DNA sequence (Chromosome X) | gb AC002416 |
| 32 | mioa3657a | unnamed protein product | dbj AK001832 |
| 33 | SEOA0759 | DNA sequence (BAC clone NH0494A09 from 7p21-p15.1) | gb AC006381 |
| 34 | seoa3949a | transmembrane protein with EGF-like and two follistatin-like domains 1 (TMEFF1) | gb U19878 |
| 35 | mioa2635 | Sec62 (Sec62) | gb U93239 |
| 36 | mioa3163a | stearoyl-CoA desaturase (SCD) | gb AF097514.1 |
| 37 | mioa2292a | caldesmon | gb M64110 |
| 38 | mioa1777n | EST (ng20f01.s1 NCI CGAP_Ov2 clone IMAGE:929977) | gb AA503150 |
| 39 | seoa3993a | uncharacterized protein | dbj AK001049 |
| 40 | mioa1582 | EST(qb82d07.x1 Soares_fetal_heart_NbHH19W clone IMAGE:1706605 3') | gb AI131563 |
| 41 | mioa4114 | unnamed protein product (ORF) | AK001925 |
| 42 | mioa1737 | EST(zw18b09.s1 Soares ovary tumor NbHOT clone 769625 3' contains L1.t1 MER12 repeat) | gb AA428305 |
| 43 | mioa2608a | EST(as39c11.x1 Barstead aorta HPLRB6 clone IMAGE:2319572 3') | gb AI708684.1 |
| 44 | SEOA1526 | EST (EST100124 Pancreas tumor 1 5') | gb AA284981 |
| 45 | seoa2826 | Novel | |
| 46 | SEOA0427 | EST (zo25g06.s1 Stratagene colon (#937204) clone 587962 3') | gb AA135431 |
| 47 | mioa1479m | unnamed protein product (ORF) | AK001241 |
| 48 | SEOA0913 | antigen (p24/CD9) | gb L34068 |
| 49 | seoa3794a | Novel | |
| 50 | mioa1719a | Novel | |
| 51 | seoa3563a | CD59 protein | emb Z14115 |

Median ratio is equal to or less than 0.2

Figure 13 - List of Novel Sequence Names

| | | | | | | | | |
|--------------------|-----|----------|-----|----------|-----|-----------|-----|------------|
| bfcn0190n | 56 | fcf6825 | 111 | hfcf1523 | 166 | hfcf7359 | 221 | MIOA0954 |
| BFCN0252 | 57 | FCR6908 | 112 | hfcf1541 | 167 | hfcf7407 | 222 | mioa1072 |
| bfcf0049 | 58 | fcf7232 | 113 | hfcf1549 | 168 | hfcf7575 | 223 | MIOA1078 |
| bfcf0311 | 59 | fcf7238 | 114 | hfcf1552 | 169 | hfcf7628 | 224 | MIOA1081 |
| BFCW0074 | 60 | FCR7315 | 115 | hfcf1554 | 170 | hfcf7710 | 225 | MIOA1084 |
| bfcw0312n | 61 | fcf7325 | 116 | hfcf1555 | 171 | hfcf7795 | 226 | MIOA1094 |
| contigmar22-010017 | 62 | FCR7368 | 117 | hfcf1581 | 172 | hfcf7984 | 227 | MIOA1136 |
| cr0304 | 63 | FCR7370 | 118 | hfcf1596 | 173 | hfcf8005 | 228 | mioa1212 |
| cr0506 | 64 | fcf7387 | 119 | hfcf1603 | 174 | hfcf8046 | 229 | MIOA1259 |
| cr0517 | 65 | FCR7388 | 120 | hfcf1611 | 175 | hfcf8190 | 230 | MIOA1267 |
| FCR0196 | 66 | FCR7446 | 121 | hfcf1612 | 176 | hfcf8237 | 231 | mioa1339a |
| fcf0356n | 67 | FCR7549 | 122 | hfcf1613 | 177 | hfcf8378 | 232 | mioa1434 |
| fcf0434 | 68 | FCR7637 | 123 | hfcf1620 | 178 | hfcf8634 | 233 | MIOA1459 |
| FCR0680 | 69 | fcf7731 | 124 | hfcf1621 | 179 | hfcf8691 | 234 | mioa1463 |
| FCR0708 | 70 | fcfb0045 | 125 | hfcf1626 | 180 | hfcf8699 | 235 | MIOA1765 |
| FCR1090 | 71 | fcfb0205 | 126 | hfcf1627 | 181 | hfcf8702 | 236 | MIOA2033 |
| fcf1220nn | 72 | fcfb0280 | 127 | hfcf1628 | 182 | hfcf8709 | 237 | MIOA2114 |
| fcf1418 | 73 | fcfb0350 | 128 | hfcf1630 | 183 | hfcf8713 | 238 | mioa2476a |
| fcf1440 | 74 | fcfb0363 | 129 | hfcf1631 | 184 | hfcf8716 | 239 | mioa3098a |
| fcf1597 | 75 | fcfb0613 | 130 | hfcf1640 | 185 | hfcf8723 | 240 | mioa3701a |
| fcf1821nn | 76 | fcfb0620 | 131 | hfcf1672 | 186 | hfcf8728 | 241 | mioa3881a |
| fcf1965 | 77 | fcfb0938 | 132 | hfcf1690 | 187 | hfcf8730 | 242 | mioa3895a |
| fcf1969nn | 78 | fcfb0958 | 133 | hfcf1821 | 188 | hfcf8817 | 243 | mioa3896a |
| fcf1978nn | 79 | fcfb1175 | 134 | hfcf1978 | 189 | hfcf8843 | 244 | mioa4045a |
| FCR2268 | 80 | fcfb1379 | 135 | hfcf2243 | 190 | hfcf8897 | 245 | MIOA4275 |
| FCR2609 | 81 | fcfb1516 | 136 | hfcf2521 | 191 | hfcf8977 | 246 | MIOA4330a |
| fcf2618 | 82 | fcfb1870 | 137 | hfcf2627 | 192 | hfcf9013 | 247 | MIOA4391 |
| fcf2622n | 83 | fcfb2358 | 138 | hfcf2654 | 193 | hfcf9115 | 248 | MIOA4616a |
| FCR2951 | 84 | fcfb2388 | 139 | hfcf3001 | 194 | hfcf9165 | 249 | mioa4706 |
| fcf2979n | 85 | fcfb2603 | 140 | hfcf3006 | 195 | hfcf9229 | 250 | MIOA4880a |
| FCR3004N | 86 | hfcf0080 | 141 | hfcf3008 | 196 | hfcf9268 | 251 | MIOA5324a |
| fcf3534n | 87 | hfcf0081 | 142 | hfcf3069 | 197 | hfcf9298 | 252 | MIOA5496a |
| FCR3639 | 88 | hfcf0133 | 143 | hfcf3377 | 198 | hfcf9411 | 253 | mioa5619a |
| fcf3756 | 89 | hfcf0203 | 144 | hfcf3382 | 199 | hfcf9424 | 254 | MIOA5655 |
| fcf3792 | 90 | hfcf0275 | 145 | hfcf3550 | 200 | hfcf9466 | 255 | mioa5829a |
| FCR4720 | 91 | hfcf0463 | 146 | hfcf3672 | 201 | hfcf9470 | 256 | mioa5861an |
| FCR4735 | 92 | hfcf0604 | 147 | hfcf3990 | 202 | hfcf9701 | 257 | MIOA5905a |
| fcf4844n | 93 | hfcf0721 | 148 | hfcf4281 | 203 | hfcf9815 | 258 | mioa5984a |
| FCR4868 | 94 | hfcf0791 | 149 | hfcf4342 | 204 | hfcf9893 | 259 | MIOA6003a |
| FCR4951 | 95 | hfcf1014 | 150 | hfcf4730 | 205 | hfcf9895 | 260 | mioa6111a |
| FCR4980 | 96 | hfcf1019 | 151 | hfcf4732 | 206 | hfcf9916 | 261 | mioa6117a |
| FCR4996 | 97 | hfcf1028 | 152 | hfcf4782 | 207 | hfcf9974 | 262 | MIOA6409a |
| fcf5017 | 98 | hfcf1035 | 153 | hfcf4848 | 208 | hfcf9980 | 263 | MIOA6628a |
| fcf5071 | 99 | hfcf1041 | 154 | hfcf6138 | 209 | hfcf9981 | 264 | mioa6634a |
| fcf5120n | 100 | hfcf1429 | 155 | hfcf6319 | 210 | mioa0492m | 265 | MIOA6666a |
| FCR5221 | 101 | hfcf1438 | 156 | hfcf6383 | 211 | mioa0524 | 266 | MIOA6670a |
| fcf5414 | 102 | hfcf1446 | 157 | hfcf6423 | 212 | MIOA0602a | 267 | MIOA6865a |
| fcf5591 | 103 | hfcf1450 | 158 | hfcf6593 | 213 | MIOA0718 | 268 | MIOA6955a |
| fcf5612 | 104 | hfcf1461 | 159 | hfcf6757 | 214 | MIOA0772 | 269 | mioa7198a |
| fcf5621 | 105 | hfcf1462 | 160 | hfcf6897 | 215 | mioa0780n | 270 | mioa7458a |
| fcf6010 | 106 | hfcf1465 | 161 | hfcf7156 | 216 | MIOA0782n | 271 | mioa7571a |
| fcf6014 | 107 | hfcf1466 | 162 | hfcf7189 | 217 | mioa0798 | 272 | mioa7933 |

Figure 13 - Continued

| | | | | | | | | | |
|-----|-----------|-----|----------|-----|----------|-----|----------|-----|------------|
| 33 | fcr6015 | 108 | hfc1472 | 163 | hfc7215 | 218 | mioa0806 | 273 | MIOA8210 |
| 34 | fcr6351n | 109 | hfc1480 | 164 | hfc7266 | 219 | mioa0932 | 274 | MIOA8258 |
| 35 | fcr6488 | 110 | hfc1505 | 165 | hfc7336 | 220 | MIOA0948 | 275 | MIOA8297 |
| 276 | MIOA8386 | 331 | miob2800 | 336 | ncr3522 | 441 | ncrb2934 | 496 | seoa0725a |
| 277 | mioa8397a | 332 | miob3182 | 337 | ncr3538 | 442 | ncrb3216 | 497 | seoa0739m |
| 278 | MIOA8417 | 333 | miob3209 | 338 | ncr3732 | 443 | ncrb4053 | 498 | SEOA0875 |
| 279 | MIOA8418 | 334 | miob3217 | 339 | ncr3816 | 444 | ncrb4068 | 499 | seoa0970 |
| 280 | MIOA8421 | 335 | miob3424 | 390 | ncr3974 | 445 | ncrb4098 | 500 | seoa0972m |
| 281 | MIOA8423 | 336 | miob3547 | 391 | ncr4021 | 446 | ncrb4117 | 501 | seoa1004m |
| 282 | mioa8434 | 337 | miob3746 | 392 | ncr4081 | 447 | ncrb4181 | 502 | SEOA1099a |
| 283 | MIOA8435 | 338 | miob3959 | 393 | ncr4154 | 448 | ncrb4283 | 503 | SEOA1329 |
| 284 | mioa8443n | 339 | miob4062 | 394 | ncr4401 | 449 | ncrb4423 | 504 | seoa1595an |
| 285 | MIOA8523 | 340 | miob4084 | 395 | ncr4582 | 450 | ncrb4477 | 505 | seoa1805a |
| 286 | MIOA8549 | 341 | miob4235 | 396 | ncr4698 | 451 | ncrb4923 | 506 | seoa1806a |
| 287 | mioa8726 | 342 | miob4250 | 397 | ncr4784 | 452 | ncrb5215 | 507 | seoa1807a |
| 288 | mioa8915n | 343 | miob4442 | 398 | ncr4823 | 453 | ncrb5269 | 508 | seoa1809a |
| 289 | mioa9023 | 344 | miob4627 | 399 | ncr5048 | 454 | ncrb5576 | 509 | seoa1810a |
| 290 | mioa9058 | 345 | miob4796 | 400 | ncr5099 | 455 | ncrb5700 | 510 | seoa1814a |
| 291 | mioa9072n | 346 | miob4872 | 401 | ncr5229 | 456 | ncrb5736 | 511 | seoa1815a |
| 292 | mioa9478 | 347 | miob5415 | 402 | ncr5253 | 457 | ncrb6103 | 512 | seoa1817a |
| 293 | mioa9665 | 348 | miob5488 | 403 | ncr5268 | 458 | ncrb6147 | 513 | SEOA1822a |
| 294 | mioa9748 | 349 | miob5639 | 404 | ncr5303 | 459 | ncrb6229 | 514 | seoa1823a |
| 295 | mioa9985 | 350 | miob5833 | 405 | ncr5462 | 460 | ncrb6393 | 515 | seoa1825a |
| 296 | miob0074n | 351 | miob5921 | 406 | ncr5476 | 461 | ncrb6591 | 516 | seoa1826a |
| 297 | miob0381n | 352 | miob6027 | 407 | ncr5583 | 462 | ncrb6885 | 517 | seoa1830a |
| 298 | miob0493 | 353 | miob6453 | 408 | ncr5618 | 463 | ncrb6905 | 518 | SEOA1866a |
| 299 | miob0630 | 354 | miob6492 | 409 | ncr5835 | 464 | ncrb6945 | 519 | seoa1918m |
| 300 | miob0798n | 355 | miob6519 | 410 | ncr5967 | 465 | ncrb7239 | 520 | SEOA1955 |
| 301 | miob0860 | 356 | miob6637 | 411 | ncr6083 | 466 | ncrb7502 | 521 | seoa2032m |
| 302 | miob0877 | 357 | miob7010 | 412 | ncr6133 | 467 | ncrb7519 | 522 | SEOA2056 |
| 303 | miob1001 | 358 | ncr0031 | 413 | ncr6242 | 468 | ncrb8372 | 523 | seoa2125 |
| 304 | miob1005 | 359 | ncr0241 | 414 | ncr6244 | 469 | ncrc0748 | 524 | SEOA2295a |
| 305 | miob1009 | 360 | ncr0268 | 415 | ncr6283 | 470 | ncrc1320 | 525 | SEOA2471 |
| 306 | miob1060 | 361 | ncr0277 | 416 | ncr6420 | 471 | ncrc1392 | 526 | seoa2473m |
| 307 | miob1112 | 362 | ncr0279 | 417 | ncr6606 | 472 | ncrc1724 | 527 | SEOA2479 |
| 308 | miob1150 | 363 | ncr0282 | 418 | ncr7007 | 473 | ncrc2004 | 528 | seoa2516 |
| 309 | miob1157 | 364 | ncr0358 | 419 | ncr7185 | 474 | ncrc2442 | 529 | seoa2559m |
| 310 | miob1177 | 365 | ncr0360 | 420 | ncr7266 | 475 | ncrc2940 | 530 | seoa2584 |
| 311 | miob1184 | 366 | ncr0413 | 421 | ncr7326 | 476 | ncrc3508 | 531 | SEOA2585 |
| 312 | miob1233 | 367 | ncr0539 | 422 | ncr7577 | 477 | ncrc3847 | 532 | SEOA2603 |
| 313 | miob1243 | 368 | ncr0561 | 423 | ncr7634 | 478 | ncrc4441 | 533 | seoa2623 |
| 314 | miob1244 | 369 | ncr0620 | 424 | ncr7754 | 479 | ncrc4485 | 534 | SEOA2632 |
| 315 | miob1283 | 370 | ncr0767 | 425 | ncr7944 | 480 | ncrc4912 | 535 | seoa2783 |
| 316 | miob1768 | 371 | ncr0783 | 426 | ncr8248 | 481 | ncrc5273 | 536 | seoa2807 |
| 317 | miob1861 | 372 | ncr0786 | 427 | ncr8821 | 482 | ncrc5533 | 537 | seoa3009a |
| 318 | miob1929 | 373 | ncr0933 | 428 | ncr8877 | 483 | ncrc6483 | 538 | seoa3176m |
| 319 | miob2127 | 374 | ncr1087 | 429 | ncr9321 | 484 | ncrc9191 | 539 | seoa3199m |
| 320 | MIOB2138 | 375 | ncr1332 | 430 | ncr9926 | 485 | ncrc9208 | 540 | SEOA3299 |
| 321 | miob2203 | 376 | ncr1411 | 431 | ncrb0192 | 486 | ncrc9243 | 541 | seoa3597a |
| 322 | MIOB2214 | 377 | ncr1594 | 432 | ncrb0639 | 487 | ncrc9247 | 542 | seoa3675a |
| 323 | miob2276n | 378 | ncr1930 | 433 | ncrb0848 | 488 | ncrc9399 | 543 | seoa3790a |
| 324 | miob2358 | 379 | ncr2319 | 434 | ncrb0870 | 489 | ncrc9611 | 544 | seoa3795a |

Figure 13 - Continued

| | | | | | | | | | |
|-----|-----------|-----|---------|-----|----------|-----|-----------|-----|-----------|
| 325 | miob2367n | 330 | ncr2608 | 435 | ncrb0924 | 490 | seoa0034m | 545 | seoa3836n |
| 326 | miob2394 | 331 | ncr2687 | 436 | ncrb1155 | 491 | SEOA0082 | 546 | seoa3924 |
| 327 | miob2495 | 332 | ncr2895 | 437 | ncrb1322 | 492 | seoa0201a | 547 | SEOA3977a |
| 328 | MIOB2554 | 333 | ncr3033 | 438 | ncrb1403 | 493 | seoa0262m | 548 | seoa4122a |
| 329 | MIOB2583 | 334 | ncr3167 | 439 | ncrb2124 | 494 | seoa0381 | 549 | seoa4232a |
| 330 | MIOB2602 | 335 | ncr3436 | 440 | ncrb2427 | 495 | seoa0386 | 550 | SEOA4271a |

Figure 15 - Relative EST Frequency of Unique Known Genes Common to Fetal and Normal cDNA Libraries

| Total ESTs from each library | | 13398 | 17151 |
|---|---------------|-----------|-----------|
| Gene Name | Accession # | Fetal | Normal |
| 1 alpha gene sequence (=HSP90) | AF203815.1 | 11 0.08% | 561 3.27% |
| 2 ribosomal DNA complete repeating unit | U13369.1 | 11 0.08% | 303 1.77% |
| 3 mitochondrial genome (consensus sequence) | X62996 | 112 0.84% | 181 1.06% |
| 4 decorin (DCN) | NM_001920.1 | 14 0.10% | 172 1.00% |
| 5 collagen type II alpha 1 (COL2A1) | J00116.1 | 172 1.28% | 169 0.99% |
| 6 osteonectin gene (SPARC) secreted protein, acidic, cysteine-rich | M25746.1 | 42 0.31% | 149 0.87% |
| 7 mitochondrion, complete genome (=AF382012.1 haplotype M*1 mitochondrion) | NC_001807.2 | 96 0.72% | 141 0.82% |
| 8 matrix Gla protein (MGP) | X53331 | 6 0.04% | 140 0.82% |
| 9 proteoglycan 4 (=megakaryocyte stimulating factor) | AAB09089.1 | 10 0.07% | 138 0.80% |
| 10 ribosomal protein S27 (=metallopainstimulin 1 MPS1) | NM_001030.1 | 36 0.27% | 105 0.61% |
| 11 putative p150 | AAC51271.1 | 4 0.03% | 99 0.58% |
| 12 collagen type I alpha 2 (COL1A2) | NM_000089.1 | 153 1.14% | 88 0.51% |
| 13 beta-2 microglobulin gene (B2M) | gb AF072097.1 | 6 0.04% | 88 0.51% |
| 14 metallothionein 1L (MT1L) | NM_002450.1 | 2 0.01% | 85 0.50% |
| 15 connective tissue growth factor (CTGF) | U14750 | 6 0.04% | 78 0.45% |
| 16 collagen type III alpha 1 (COL3A1) | X06700 | 54 0.40% | 77 0.45% |
| 17 elongation factor 1 alpha 1 (EEF1A1) | NM_001402.1 | 150 1.12% | 66 0.38% |
| 18 scrapie responsive protein 1 (SCRG1) | NM_007281.1 | 3 0.02% | 59 0.34% |
| 19 tumor protein translationally-controlled 1 (TPT1) | NM_003295.1 | 45 0.34% | 50 0.29% |
| 20 fibronectin (FN) | X02761.1 | 16 0.12% | 50 0.29% |
| 21 ribosomal protein L41 | AF026844.1 | 22 0.16% | 47 0.27% |
| 22 ribosomal RNA 18S | X03205 | 12 0.09% | 47 0.27% |
| 23 LINE-1 REVERSE TRANSCRIPTASE HOMOLOG (=putative p150) | spP08547 | 1 0.01% | 46 0.27% |
| 24 reverse transcriptase | D84391 | 1 0.01% | 45 0.26% |
| 25 ribosomal protein L7 | X52967 | 45 0.34% | 44 0.26% |
| 26 fibromodulin (FMOD) | NM_002023.2 | 8 0.06% | 41 0.24% |
| 27 thymosin beta-4 (TMSB4X) | M17733 | 14 0.10% | 40 0.23% |
| 28 ribosomal protein S8 (RPS8) | NM_001012.1 | 42 0.31% | 35 0.20% |
| 29 ribosomal protein S6 | M20020 | 27 0.20% | 35 0.20% |
| 30 ribosomal protein L21 | U14967.1 | 17 0.13% | 34 0.20% |
| 31 lumican (LUM) | NM_002345.1 | 9 0.07% | 33 0.19% |
| 32 ubiquitin A-52 residue ribosomal protein fusion product 1 (UBA52) | gi4507760 | 7 0.05% | 32 0.19% |
| 33 vimentin gene (VIM) | Z19554 | 33 0.25% | 31 0.18% |
| 34 ribosomal protein S3a | M77234 | 22 0.16% | 31 0.18% |
| 35 ribosomal protein L31 | NM_000993.1 | 15 0.11% | 31 0.18% |
| 36 ribosomal protein L9 | U09953 | 47 0.35% | 30 0.17% |
| 37 annexin A2 (ANXA2)(lipocortin II) | NM_004039.1 | 14 0.10% | 28 0.16% |
| 38 ribonuclease, RNase A family, 1(pancreatic) (RefSeq aa 96-73) | NP_002924.1 | 1 0.01% | 28 0.16% |
| 39 ribosomal protein L34 (RPL34) | NM_000995.1 | 23 0.17% | 27 0.16% |
| 40 Ribosomal protein L4 | NM_000968.1 | 18 0.13% | 27 0.16% |
| 41 ribosomal protein L23 | NM_000978.1 | 18 0.13% | 27 0.16% |
| 42 ribonuclease, RNase A | NM_002937.1 | 1 0.01% | 27 0.16% |
| 43 actin, beta (ACTB) | NM_001101.2 | 21 0.16% | 25 0.15% |
| 44 PRO2003 | AF116679.1 | 14 0.10% | 24 0.14% |
| 45 ribosomal protein, large, P0 (RPLP0) | NM_001002.1 | 56 0.42% | 23 0.13% |
| 46 calmodulin 1 (phosphorylase kinase, delta) (CALM1) | NM_006888.1 | 7 0.05% | 23 0.13% |
| 47 collagen type I alpha 1 (COL1A1) | X06269 | 90 0.67% | 22 0.13% |
| 48 guanine nucleotide binding protein (G protein), beta polypeptide 2-like 1 (GNB2L1) | NM_006098.1 | 21 0.16% | 20 0.12% |
| 49 SUI1 isolog | AF083441.1 | 8 0.06% | 20 0.12% |

Figure 15 - Continued

| | | | | | | |
|-----|--|-------------|----|-------|----|-------|
| 50 | NADH dehydrogenase | X81900 | 2 | 0.01% | 20 | 0.12% |
| 51 | transcription elongation factor B (SIII), polypeptide 1-like (TCEB1L) | NM_003197.2 | 1 | 0.01% | 20 | 0.12% |
| 52 | ribosomal protein S11 (RPS11) | NM_001015.1 | 38 | 0.28% | 19 | 0.11% |
| 53 | ribosomal protein L37 | L11567 | 34 | 0.25% | 19 | 0.11% |
| 54 | H factor 1 (complement) (HF1) | NM_000186.1 | 1 | 0.01% | 19 | 0.11% |
| 55 | collagen type XI alpha 1 (COL11A1) | NM_001854.1 | 46 | 0.34% | 18 | 0.10% |
| 56 | ribosomal protein S4, X-linked (RPS4X) | NM_001007.1 | 33 | 0.25% | 18 | 0.10% |
| 57 | S100 calcium-binding protein A4 (calcium protein, calvasculin, metastasin) | gi4506764 | 1 | 0.01% | 18 | 0.10% |
| 58 | ribosomal protein L13a (RPL13A) | NM_012423.1 | 64 | 0.48% | 17 | 0.10% |
| 59 | Ribosomal protein S20 (RPS20) | NM_001023.1 | 42 | 0.31% | 17 | 0.10% |
| 60 | ribosomal protein L6 | X69391 | 24 | 0.18% | 17 | 0.10% |
| 61 | brain-expressed HHCPA78 homologue (VDUP1) | S73591 | 2 | 0.01% | 17 | 0.10% |
| 62 | ribosomal protein L32 (RPL32) | NM_000994.1 | 38 | 0.28% | 16 | 0.09% |
| 63 | ribosomal protein S29 | L31610.1 | 18 | 0.13% | 16 | 0.09% |
| 64 | transmembrane protein BRI | AF246221.1 | 4 | 0.03% | 16 | 0.09% |
| 65 | cytochrome c oxidase subunit VIc (COX6C) | NM_004374.1 | 3 | 0.02% | 16 | 0.09% |
| 66 | ribosomal protein L7a (surf 3) large subunit | M36072 | 25 | 0.19% | 15 | 0.09% |
| 67 | signal recognition particle 14kD (homologous Alu RNA-binding protein)(S | NM_003134.1 | 3 | 0.02% | 15 | 0.09% |
| 68 | ribosomal protein L30 | L05095.1 | 24 | 0.18% | 14 | 0.08% |
| 69 | translationally controlled tumor protein (TCTP) | X16064 | 23 | 0.17% | 14 | 0.08% |
| 70 | TSC-22 protein | U35048 | 8 | 0.06% | 14 | 0.08% |
| 71 | ribosomal protein L22 (RPL22) | NM_000983.1 | 6 | 0.04% | 14 | 0.08% |
| 72 | nucleolar phosphoprotein B23 (NPM1) | M28699 | 4 | 0.03% | 14 | 0.08% |
| 73 | clusterin (CLU) SP40,40 (=M63379 TRPM-2 protein) | NM_001831.1 | 1 | 0.01% | 14 | 0.08% |
| 74 | RIBOSOMAL PROTEIN L10 (QM PROTEIN) (TUMOR SUPPRESSOR Q | spP27635 | 53 | 0.40% | 13 | 0.08% |
| 75 | ribosomal protein S12 | X53505 | 35 | 0.26% | 13 | 0.08% |
| 76 | ribosomal protein S25 (RPS25) | NM_001028.1 | 17 | 0.13% | 13 | 0.08% |
| 77 | ribosomal protein S23 (RPS23) =D14530 (ORF) | NM_001025.1 | 8 | 0.06% | 13 | 0.08% |
| 78 | thioredoxin (TXN) | J04026 | 4 | 0.03% | 13 | 0.08% |
| 79 | SRY (sex-determining region Y)-box 9 (campomelic dysplasia, autosomal | NM_000346.1 | 4 | 0.03% | 13 | 0.08% |
| 80 | heat shock 10kD protein 1 (chaperonin 10) (HSP1) | NM_002157.1 | 1 | 0.01% | 13 | 0.08% |
| 81 | ribosomal protein L37a | L22154 | 56 | 0.42% | 12 | 0.07% |
| 82 | RIBOSOMAL PROTEIN L17 | spP18621 | 31 | 0.23% | 12 | 0.07% |
| 83 | ribosomal protein S17 | M13932 | 28 | 0.21% | 12 | 0.07% |
| 84 | ribosomal protein L27 (RPL27) | NM_000988.1 | 27 | 0.20% | 12 | 0.07% |
| 85 | hH3.3B gene for histone H3.3 | Z48950.1 | 10 | 0.07% | 12 | 0.07% |
| 86 | ferritin L chain | M11147 | 9 | 0.07% | 12 | 0.07% |
| 87 | ribosomal protein L24 (RPL24) (=ribosomal protein L30) | NM_000986.1 | 8 | 0.06% | 12 | 0.07% |
| 88 | lysosomal membrane glycoprotein CD63 (=M59907 ME491;X07982) | M58485 | 7 | 0.05% | 12 | 0.07% |
| 89 | CD63 antigen (melanoma 1 antigen) (CD63) | NM_001780.1 | 7 | 0.05% | 12 | 0.07% |
| 90 | histone H3.3 | Z48950 | 3 | 0.02% | 12 | 0.07% |
| 91 | t-complex-associated-testis-expressed 1-like 1 (TCTEL1) | NM_006519.1 | 2 | 0.01% | 12 | 0.07% |
| 92 | procollagen C-endopeptidase enhancer 2 (PCOLCE2) | NM_013363.1 | 1 | 0.01% | 12 | 0.07% |
| 93 | electron transfer flavoprotein alpha-subunit | J04058.1 | 1 | 0.01% | 12 | 0.07% |
| 94 | Ribosomal protein L36 (=RPL44) | AF077043.1 | 20 | 0.15% | 11 | 0.06% |
| 95 | ribosomal protein L39 | D79205 | 15 | 0.11% | 11 | 0.06% |
| 96 | MORF-related gene X (KIAA0026) (=MRG15) | NM_012286.1 | 2 | 0.01% | 11 | 0.06% |
| 97 | PRO1574 (mitochondrial proteolipid 68MP homolog (PLPM) | AF116639.1 | 2 | 0.01% | 11 | 0.06% |
| 98 | reverse transcriptase related protein | prf1207289A | 1 | 0.01% | 11 | 0.06% |
| 99 | ribosomal protein L3 (RPL3) | NM_000967.1 | 42 | 0.31% | 10 | 0.06% |
| 100 | ribosomal protein L13 | AF112214 | 33 | 0.25% | 10 | 0.06% |
| 101 | actin, gamma 1 (ACTG1) | NM_001614.1 | 31 | 0.23% | 10 | 0.06% |

Figure 15 - Continued

| | | | | | | |
|-----|--|-------------|----|-------|----|-------|
| 102 | RIBOSOMAL PROTEIN L10A (CSA-19)(RPL10A) | P53025 | 18 | 0.13% | 10 | 0.06% |
| 103 | ribosomal protein L35a | NM_000996.1 | 14 | 0.10% | 10 | 0.06% |
| 104 | eukaryotic translation initiation factor 3 (EIF3S6) (=INT6) | NM_001568.1 | 13 | 0.10% | 10 | 0.06% |
| 105 | H2A histone family, member Z (H2AFZ) = D28450.1 | NM_002106.1 | 4 | 0.03% | 10 | 0.06% |
| 106 | zinc finger protein 216 (ZNF216) | AF062072.1 | 3 | 0.02% | 10 | 0.06% |
| 107 | cytochrome c oxidase subunit II gene (ORF) | AF004339 | 3 | 0.02% | 10 | 0.06% |
| 108 | TPT1 gene for translationally controlled tumor protein (TCTP), exons 1-6 | AJ400717.1 | 2 | 0.01% | 10 | 0.06% |
| 109 | selenoprotein P (SEPP1) | Z11793 | 1 | 0.01% | 10 | 0.06% |
| 110 | ribosomal protein S15a | X84407 | 23 | 0.17% | 9 | 0.05% |
| 111 | cytoskeletal gamma-actin | X04098 | 19 | 0.14% | 9 | 0.05% |
| 112 | prothymosin alpha | M14630 | 18 | 0.13% | 9 | 0.05% |
| 113 | ribosomal protein S13 | NM_001017.1 | 17 | 0.13% | 9 | 0.05% |
| 114 | ATP synthase, H transporting, mitochondrial F0 complex, subunit g (ATP6B) | Hs.107476 | 4 | 0.03% | 9 | 0.05% |
| 115 | defender against cell death 1 (DAD1) | NM_001344.1 | 3 | 0.02% | 9 | 0.05% |
| 116 | TI-227H (=tomoregulin; mitochondrial) | D50525 | 2 | 0.01% | 9 | 0.05% |
| 117 | ATPase, H transporting, lysosomal (vacuolar proton pump) 9kD (ATP6H) | NM_003945.1 | 1 | 0.01% | 9 | 0.05% |
| 118 | nuclear pore complex interacting protein (NPIP) | AF132984.1 | 1 | 0.01% | 9 | 0.05% |
| 119 | ribosomal protein S24 | M31520 | 23 | 0.17% | 8 | 0.05% |
| 120 | ribosomal protein L5 | U76609 | 23 | 0.17% | 8 | 0.05% |
| 121 | heterogeneous nuclear ribonucleoprotein A1 (HNRPA1) | NM_002136.1 | 14 | 0.10% | 8 | 0.05% |
| 122 | polyubiquitin | E12605 | 13 | 0.10% | 8 | 0.05% |
| 123 | ribosomal protein L12 | L06505 | 12 | 0.09% | 8 | 0.05% |
| 124 | ribosomal protein L38 | Z26876 | 8 | 0.06% | 8 | 0.05% |
| 125 | poly(A)-binding protein (PABP) | U68105 | 6 | 0.04% | 8 | 0.05% |
| 126 | carboxypeptidase E (CPE) | NM_001873.1 | 6 | 0.04% | 8 | 0.05% |
| 127 | cytochrome b (ORF) | U09500 | 5 | 0.04% | 8 | 0.05% |
| 128 | Tigger1 transposable element | U49973.1 | 5 | 0.04% | 8 | 0.05% |
| 129 | NADH dehydrogenase(ubiquinone) Fe-S protein 5 (15kD) (NADH-coenz | NM_004552.1 | 4 | 0.03% | 8 | 0.05% |
| 130 | thrombospondin 4 (THBS4) | NM_003248.1 | 4 | 0.03% | 8 | 0.05% |
| 131 | F1-ATPase epsilon-subunit (ATP5E) | AF052955.1 | 3 | 0.02% | 8 | 0.05% |
| 132 | frizzled-related protein (FRZB) | NM_001463.1 | 3 | 0.02% | 8 | 0.05% |
| 133 | glucocorticoid-induced GILZ | AF228339 | 3 | 0.02% | 8 | 0.05% |
| 134 | Fritz mRNA, complete cds | U91903.1 | 2 | 0.01% | 8 | 0.05% |
| 135 | actin, alpha, cardiac muscle | NP_005150.1 | 2 | 0.01% | 8 | 0.05% |
| 136 | vacuolar H-ATPase subunit | AF038954 | 1 | 0.01% | 8 | 0.05% |
| 137 | serine/threonine protein kinase Kp78 splice variant CTAK75a | AF159295.1 | 1 | 0.01% | 8 | 0.05% |
| 138 | ribosomal protein L27A | AB020236.1 | 34 | 0.25% | 7 | 0.04% |
| 139 | ribosomal protein, large P2 (RPLP2) | NM_001004.1 | 14 | 0.10% | 7 | 0.04% |
| 140 | tumor rejection antigen (gp96) 1 (TRA1) | X15187 | 10 | 0.07% | 7 | 0.04% |
| 141 | ribosomal protein S7 | M77233 | 8 | 0.06% | 7 | 0.04% |
| 142 | guanine nucleotide binding protein (G protein), alpha stimulating activity | BC008855.1 | 8 | 0.06% | 7 | 0.04% |
| 143 | matrilin-3 (MATR3) | Y13341 | 7 | 0.05% | 7 | 0.04% |
| 144 | guanine nucleotide binding protein (G protein), alpha stimulating activity | NM_000516.2 | 7 | 0.05% | 7 | 0.04% |
| 145 | lysosome-associated protein, transmembrane - 4alpha (=D14696.1 Hum | U34259.1 | 6 | 0.04% | 7 | 0.04% |
| 146 | Cyr61 protein (CYR61) | AF031385 | 6 | 0.04% | 7 | 0.04% |
| 147 | ribosomal protein S26 | NM_001029.1 | 6 | 0.04% | 7 | 0.04% |
| 148 | serine protease=HTRA serine protease (PRSS11)=AF157623.1 | Y07921 | 5 | 0.04% | 7 | 0.04% |
| 149 | hexabrachion (tenascin C, cytactin) (HXB) | NM_002160.1 | 4 | 0.03% | 7 | 0.04% |
| 150 | palladin (KIAA0992)= CGI-151 | NM_016081.1 | 3 | 0.02% | 7 | 0.04% |
| 151 | collagen lysyl hydroxylase isoform 2 (PLOD2) | U84573 | 2 | 0.01% | 7 | 0.04% |
| 152 | myosin, light polypeptide, regulatory, non-sarcomeric (20kD) (MLCB), m | Hs.233936 | 2 | 0.01% | 7 | 0.04% |
| 153 | procollagen-lysine, 2-oxoglutarate 5-dioxygenase (lysine hydroxylase) 2 | Hs.41270 | 2 | 0.01% | 7 | 0.04% |

Figure 15 - Continued

| | | | | | | |
|-----|--|-------------|----|-------|---|-------|
| 154 | KVLQT1 gene (=p150) | AJ006345.1 | 2 | 0.01% | 7 | 0.04% |
| 155 | suppression of tumorigenicity 13 (Hsp70-interacting protein) (ST13) | NM_003932.1 | 2 | 0.01% | 7 | 0.04% |
| 156 | spermidine/spermine N1-acetyltransferase | Z14136 | 1 | 0.01% | 7 | 0.04% |
| 157 | epithelial membrane protein 1 (EMP1) | NM_001423.1 | 1 | 0.01% | 7 | 0.04% |
| 158 | muscleblind (Drosophila)-like (MBNL) (=KIAA0428) | NM_021038.1 | 1 | 0.01% | 7 | 0.04% |
| 159 | SOD-2 manganese superoxide dismutase | X65965 | 1 | 0.01% | 7 | 0.04% |
| 160 | heat shock 70kD protein 10 (HSC71) (HSPA10) | NM_006597.1 | 1 | 0.01% | 7 | 0.04% |
| 161 | MADS/MEF2-family transcription factor (MEF2C) mRNA, complete cds | L08895.1 | 1 | 0.01% | 7 | 0.04% |
| 162 | ribosomal protein L15 | NM_002948.1 | 26 | 0.19% | 6 | 0.03% |
| 163 | collagen type IX alpha 3 (COL9A3) | AF026802.1 | 26 | 0.19% | 6 | 0.03% |
| 164 | ribosomal protein L26 | X69392 | 18 | 0.13% | 6 | 0.03% |
| 165 | FK506 binding protein (Fkbp63) | AF090334 | 8 | 0.06% | 6 | 0.03% |
| 166 | nascent-polypeptide-associated complex alpha polypeptide (NACA) | NM_005594.1 | 6 | 0.04% | 6 | 0.03% |
| 167 | collagen type XIV variant C-terminal NC1 and 3'UTR | Y11711 | 6 | 0.04% | 6 | 0.03% |
| 168 | Tis11d gene | U07802 | 5 | 0.04% | 6 | 0.03% |
| 169 | transforming growth factor beta-stimulated protein TSC-22 (TSC22) | NM_006022.1 | 5 | 0.04% | 6 | 0.03% |
| 170 | ADP/ATP translocase | J03592 | 5 | 0.04% | 6 | 0.03% |
| 171 | ferritin heavy chain | L20941.1 | 4 | 0.03% | 6 | 0.03% |
| 172 | testis enhanced gene transCRipt protein (TEGT) | AF033095 | 4 | 0.03% | 6 | 0.03% |
| 173 | translocation protein 1(TLOC1) | NM_003262.1 | 3 | 0.02% | 6 | 0.03% |
| 174 | mannosidase, beta A, lysosomal (MANBA) gene, and ubiquitin-conjugat | AF224669.1 | 3 | 0.02% | 6 | 0.03% |
| 175 | lactate dehydrogenase B (LDH-B) | Y00711 | 3 | 0.02% | 6 | 0.03% |
| 176 | peroxiredoxin 1 (PRDX1) (=NKEFA) | NM_002574.1 | 3 | 0.02% | 6 | 0.03% |
| 177 | membrane protein CH1 (CH1) | AB020980 | 3 | 0.02% | 6 | 0.03% |
| 178 | fibroblast activation protein, alpha; seprase (FAP) | NM_004460.1 | 2 | 0.01% | 6 | 0.03% |
| 179 | cig19 (=D31887.1 KIAA0062) | AF026940.1 | 1 | 0.01% | 6 | 0.03% |
| 180 | transmembrane protein (CD59) | M84349.1 | 1 | 0.01% | 6 | 0.03% |
| 181 | chloride intracellular channel 4 like (CLIC4L) | NM_013943.1 | 1 | 0.01% | 6 | 0.03% |
| 182 | protein C inhibitor [human, leukocytes, Genomic, 1402 nt, segment 5 of | S69366.1 | 1 | 0.01% | 6 | 0.03% |
| 183 | ubiquitin-conjugating enzyme E2B (RAD6 homolog) (UBE2B) | NM_003337.1 | 1 | 0.01% | 6 | 0.03% |
| 184 | nuclear factor of kappa light polypeptide gene enhancer in B-cells 1(NFK | AF213884.1 | 1 | 0.01% | 6 | 0.03% |
| 185 | tubulin beta | AF070561 | 19 | 0.14% | 5 | 0.03% |
| 186 | ribosomal protein L44 (RPL44) | NM_001001.1 | 14 | 0.10% | 5 | 0.03% |
| 187 | v-fos FBJ murine osteosarcoma viral oncogene homolog (FOS) | NM_005252.2 | 12 | 0.09% | 5 | 0.03% |
| 188 | triosephosphate isomerase (TPI1) | M10036 | 8 | 0.06% | 5 | 0.03% |
| 189 | myosin regulatory light chain | X54304 | 6 | 0.04% | 5 | 0.03% |
| 190 | lysyl oxidase | U22384 | 6 | 0.04% | 5 | 0.03% |
| 191 | insulin-like growth factor binding protein 5 (IGFBP5) gene | L27556.1 | 6 | 0.04% | 5 | 0.03% |
| 192 | cathepsin K (pseudosclerosis)(CTSK) | NM_000396.1 | 5 | 0.04% | 5 | 0.03% |
| 193 | B-cell translocation protein 1 (BTG1) | X61123 | 5 | 0.04% | 5 | 0.03% |
| 194 | cytochrome c oxidase subunit VIIb | Z14244 | 4 | 0.03% | 5 | 0.03% |
| 195 | cell division cycle 10 (homologous to CDC10 of S. cerevisiae) (CDC10) | NM_001788.1 | 4 | 0.03% | 5 | 0.03% |
| 196 | activating transCRiption factor 4 (tax-responsive enhancer element B67) | gi4502264 | 4 | 0.03% | 5 | 0.03% |
| 197 | integral membrane protein 2A (ITM2A) | NM_004867.1 | 4 | 0.03% | 5 | 0.03% |
| 198 | transforming growth factor beta-induced, 68kD (TGFB1) | NM_000358.1 | 3 | 0.02% | 5 | 0.03% |
| 199 | eukaryotic translation initiation factor 4 gamma, 2 (EIF4G2) | NM_001418.1 | 3 | 0.02% | 5 | 0.03% |
| 200 | Sec61 gamma | AF054184 | 3 | 0.02% | 5 | 0.03% |
| 201 | miCRosomal signal peptidase | AF061737 | 3 | 0.02% | 5 | 0.03% |
| 202 | actin binding protein ABP620 | AB029290.1 | 3 | 0.02% | 5 | 0.03% |
| 203 | WSB-1 isoform | AF106684.1 | 3 | 0.02% | 5 | 0.03% |
| 204 | heterogeneous nuclear ribonucleoprotein A2/B1 (HNRPA2B1) | NM_002137.1 | 3 | 0.02% | 5 | 0.03% |
| 205 | peptidylglycine alpha-amidating monooxygenase (PAM) | M37721 | 2 | 0.01% | 5 | 0.03% |

Figure 15 - Continued

| | | | | | | |
|-----|---|-------------|----|-------|---|-------|
| 206 | small nuclear ribonucleoprotein D2 polypeptide (16.5kD) (SNRPD2) | NM_004597.3 | 2 | 0.01% | 5 | 0.03% |
| 207 | syndecan binding protein (syntenin) (SDCBP)(ORF) = AF000652.1 | NM_005625.1 | 2 | 0.01% | 5 | 0.03% |
| 208 | JKTBP2, JKTBP1, complete cds | AB017018.1 | 2 | 0.01% | 5 | 0.03% |
| 209 | cartilage intermediate layer protein, CILP | AB022430.1 | 1 | 0.01% | 5 | 0.03% |
| 210 | ring-box 1 (RBX1) | NM_014248.1 | 1 | 0.01% | 5 | 0.03% |
| 211 | allograft inflammatory factor 1 (AIF1) | NM_001623.2 | 1 | 0.01% | 5 | 0.03% |
| 212 | fragile 16D oxido reductase (FOR) | AF217490.1 | 1 | 0.01% | 5 | 0.03% |
| 213 | PRO1873 | AF119859.1 | 1 | 0.01% | 5 | 0.03% |
| 214 | poly(rC)-binding protein 2 (PCBP2) | NM_005016.1 | 1 | 0.01% | 5 | 0.03% |
| 215 | collagen type IX alpha 1 (COL9A1)(ORF) | NM_001851.1 | 74 | 0.55% | 4 | 0.02% |
| 216 | collagen type XI alpha2 (COL11A2) | U41068.1 | 34 | 0.25% | 4 | 0.02% |
| 217 | lectin, galactoside-binding, soluble, 1 (galectin 1) (LGALS1)mRNA (=14 | NM_002305.2 | 22 | 0.16% | 4 | 0.02% |
| 218 | T-cell cyclophilin | Y00052 | 18 | 0.13% | 4 | 0.02% |
| 219 | chondromodulin I precursor (CHM-I) | NM_007015.1 | 15 | 0.11% | 4 | 0.02% |
| 220 | ribosomal protein L14 | D87735 | 12 | 0.09% | 4 | 0.02% |
| 221 | heparan sulfate proteoglycan (HSPG) (OCI5) | J04621.1 | 9 | 0.07% | 4 | 0.02% |
| 222 | annexin A5 (ANXA5)(lipocortin-V) | NM_001154.2 | 9 | 0.07% | 4 | 0.02% |
| 223 | solute carrier family 25 (mitochondrial carrier; phosphate carrier), memb | NM_005888.1 | 6 | 0.04% | 4 | 0.02% |
| 224 | nuclear protein SDK3 (=MEMA) | Y10351 | 6 | 0.04% | 4 | 0.02% |
| 225 | NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 4 (9kD, MLRQ | NM_002489.1 | 5 | 0.04% | 4 | 0.02% |
| 226 | collagen type VI alpha 3 (COL6A3) | NM_004369.1 | 5 | 0.04% | 4 | 0.02% |
| 227 | enhancer of rudimentary homologue | U66871 | 5 | 0.04% | 4 | 0.02% |
| 228 | HSPC330 mRNA(=HSPC016) | AF161448.1 | 5 | 0.04% | 4 | 0.02% |
| 229 | peripheral myelin protein 22 | M94048 | 5 | 0.04% | 4 | 0.02% |
| 230 | bone sialoprotein (BNSP) | L10363.1 | 5 | 0.04% | 4 | 0.02% |
| 231 | lactate dehydrogenase A (LDHA) | NM_005566.1 | 4 | 0.03% | 4 | 0.02% |
| 232 | tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation prot | NM_003404.1 | 4 | 0.03% | 4 | 0.02% |
| 233 | heterogeneous nuclear ribonucleoprotein D-like (HNRPDL) | NM_005463.1 | 4 | 0.03% | 4 | 0.02% |
| 234 | heterogeneous nuclear ribonucleoprotein D (hnRNP D) (52% aa) | D55671 | 4 | 0.03% | 4 | 0.02% |
| 235 | platelet-derived growth factor receptor alpha (PDGFRA) | M21574 | 4 | 0.03% | 4 | 0.02% |
| 236 | cyclin I | D50310 | 4 | 0.03% | 4 | 0.02% |
| 237 | protein phosphatase 2 (formerly 2A), catalytic subunit, alpha isoform (PF | NM_002715.1 | 4 | 0.03% | 4 | 0.02% |
| 238 | melanoma growth regulatory protein MIA | X75450 | 4 | 0.03% | 4 | 0.02% |
| 239 | phosphoglycerate kinase 1 (PGK1) (ORF) | NM_000291.1 | 3 | 0.02% | 4 | 0.02% |
| 240 | Heterogeneous nuclear ribonucleoprotein U (scaffold attachment factor | NM_004501.1 | 3 | 0.02% | 4 | 0.02% |
| 241 | alpha-2-macroglobulin | D83196 | 3 | 0.02% | 4 | 0.02% |
| 242 | sin3 associated polypeptide (SAP18) | AF153608 | 3 | 0.02% | 4 | 0.02% |
| 243 | ubiquinol-cytochrome c reductase complex (7.2 kD); hypothetical protein | NP_037519.1 | 2 | 0.01% | 4 | 0.02% |
| 244 | DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 5 (RNA helicase, 68kD) | NM_004396.1 | 2 | 0.01% | 4 | 0.02% |
| 245 | GAP-associated tyrosine phosphoprotein p62 (Sam68) (SAM68) (=p62) | NM_006559.1 | 2 | 0.01% | 4 | 0.02% |
| 246 | latent transforming growth factor beta binding protein 1 (LTBP1) | NM_000627.1 | 2 | 0.01% | 4 | 0.02% |
| 247 | myosin, light polypeptide 1, alkali; skeletal, fast (MYL1) | NM_002475.1 | 2 | 0.01% | 4 | 0.02% |
| 248 | melanoma inhibitory | NM_006533.1 | 2 | 0.01% | 4 | 0.02% |
| 249 | integrin beta 1 subunit | X07979.1 | 1 | 0.01% | 4 | 0.02% |
| 250 | TGF-beta1IR alpha | D50683 | 1 | 0.01% | 4 | 0.02% |
| 251 | CGI-110 protein | AF151868.1 | 1 | 0.01% | 4 | 0.02% |
| 252 | HS1 protein (=YWHAQ) | X57347 | 1 | 0.01% | 4 | 0.02% |
| 253 | cytochrome c oxidase subunit VIIa polypeptide 2 like (COX7A2L) | NM_004718.1 | 1 | 0.01% | 4 | 0.02% |
| 254 | zinc finger transCRiption factor GKLF | AF105036.1 | 1 | 0.01% | 4 | 0.02% |
| 255 | KIAA0438 | AB007898.1 | 1 | 0.01% | 4 | 0.02% |
| 256 | T245 protein (T245) =TM4SF6=TM4-D | AF043906 | 1 | 0.01% | 4 | 0.02% |
| 257 | SMT3 (suppressor of mif two 3, yeast) homolog 2 (SMT3H2) | NM_006937.1 | 1 | 0.01% | 4 | 0.02% |

Figure 15 - Continued

| | | | | | | |
|-----|---|-------------|----|-------|---|-------|
| 258 | AD-017 protein | AF157318.1 | 1 | 0.01% | 4 | 0.02% |
| 259 | KIAA0164 | D79986 | 1 | 0.01% | 4 | 0.02% |
| 260 | laminin B2 chain | M55210 | 1 | 0.01% | 4 | 0.02% |
| 261 | TRAM protein | CAA45218.1 | 1 | 0.01% | 4 | 0.02% |
| 262 | dual specificity phosphatase 1 (DUSP1) | NM_004417.2 | 1 | 0.01% | 4 | 0.02% |
| 263 | over-expressed breast tumor protein | L34839 | 1 | 0.01% | 4 | 0.02% |
| 264 | cathepsin L (CTSL) | NM_001912.1 | 1 | 0.01% | 4 | 0.02% |
| 265 | chondroitin sulfate proteoglycan 2 (versican) (CSPG2) | NM_004385.1 | 1 | 0.01% | 4 | 0.02% |
| 266 | ubiquitin-conjugating enzyme E2 variant 1 (UBE2V1) | NM_003349.1 | 1 | 0.01% | 4 | 0.02% |
| 267 | integrin alpha 10 subunit (ITGA10) | AF112345.1 | 1 | 0.01% | 4 | 0.02% |
| 268 | signal sequence receptor, gamma (translocon-associated protein gamma) | NM_007107.1 | 1 | 0.01% | 4 | 0.02% |
| 269 | fragile X mental retardation 1 (FMR1) | NM_002024.1 | 1 | 0.01% | 4 | 0.02% |
| 270 | X-linked anhidrotic ectodermal dysplasia protein gene (EDA), exon 2 and | AF003528.1 | 1 | 0.01% | 4 | 0.02% |
| 271 | secreted frizzled-related protein 1 (SFRP1) | NM_003012.2 | 1 | 0.01% | 4 | 0.02% |
| 272 | proteasome (prosome macropain) beta type, 4 (PSMB4) | NM_002796.1 | 1 | 0.01% | 4 | 0.02% |
| 273 | thrombospondin 3 (THBS3) (RefSeq aa 3e-59) | NP_009043.1 | 1 | 0.01% | 4 | 0.02% |
| 274 | laminin, gamma 1 (formerly LAMB2) (LAMC1), | NM_002293.2 | 1 | 0.01% | 4 | 0.02% |
| 275 | ribosomal protein S21 (RPS21) | L04483 | 21 | 0.16% | 3 | 0.02% |
| 276 | ribosomal protein L19 | X63527 | 16 | 0.12% | 3 | 0.02% |
| 277 | Tubulin alpha isoform 1 | AF081484 | 16 | 0.12% | 3 | 0.02% |
| 278 | H3 histone, family 3A (H3F3A) | NM_002107.1 | 8 | 0.06% | 3 | 0.02% |
| 279 | ribophorin II (RPN2) | Y00282 | 7 | 0.05% | 3 | 0.02% |
| 280 | neural precursor cell expressed, developmentally down-regulated 5 (NEF) | NM_004404.1 | 6 | 0.04% | 3 | 0.02% |
| 281 | heat shock 90kD protein 1 beta (HSPCB) | NM_007355.1 | 6 | 0.04% | 3 | 0.02% |
| 282 | eukaryotic translation elongation factor 1 gamma (EEF1G) | NM_001404.1 | 6 | 0.04% | 3 | 0.02% |
| 283 | dynein light chain 1 (hd1c1), cytoplasmic | U32944 | 5 | 0.04% | 3 | 0.02% |
| 284 | GABA(A) receptor-associated protein (GABARAP) | NM_007278.1 | 5 | 0.04% | 3 | 0.02% |
| 285 | cyclophilin B (hCyPB) | M60857 | 5 | 0.04% | 3 | 0.02% |
| 286 | cytochrome c oxidase, liver specific (EC 1.9.3.1.) | X15822 | 4 | 0.03% | 3 | 0.02% |
| 287 | mitochondrial ubiquinone-binding protein | M26700 | 4 | 0.03% | 3 | 0.02% |
| 288 | low molecular mass ubiquinone-binding protein | D50369 | 4 | 0.03% | 3 | 0.02% |
| 289 | protein tyrosine phosphatase (hR-PTPu) | X58288 | 4 | 0.03% | 3 | 0.02% |
| 290 | Huntingtin interacting protein | AF049103 | 4 | 0.03% | 3 | 0.02% |
| 291 | interCRine-alpha (HIRH) | U19495 | 4 | 0.03% | 3 | 0.02% |
| 292 | cathepsin B (CTSB) | L22569 | 3 | 0.02% | 3 | 0.02% |
| 293 | thyroid receptor interactor (TRIP7) | L40357 | 3 | 0.02% | 3 | 0.02% |
| 294 | pre-mRNA splicing factor (SFRS3) | AF107405.1 | 3 | 0.02% | 3 | 0.02% |
| 295 | alpha E-catenin (CTNNA1) gene | AF102803.1 | 3 | 0.02% | 3 | 0.02% |
| 296 | profilin II | L10678.1 | 3 | 0.02% | 3 | 0.02% |
| 297 | 16.7Kd protein | AF078845.1 | 3 | 0.02% | 3 | 0.02% |
| 298 | tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein | NM_006826.1 | 3 | 0.02% | 3 | 0.02% |
| 299 | prostatic binding protein (PBP) | NM_002567.1 | 3 | 0.02% | 3 | 0.02% |
| 300 | nidogen-2 | AJ223500 | 3 | 0.02% | 3 | 0.02% |
| 301 | valosin-containing protein(VCP) | NM_007126.2 | 3 | 0.02% | 3 | 0.02% |
| 302 | tissue inhibitor of metalloproteinase 3 (Sorsby fundus dystrophy, pseudo) | NM_000362.1 | 2 | 0.01% | 3 | 0.02% |
| 303 | cytochrome c oxidase subunit VIIc (COX7C) | NM_001867.1 | 2 | 0.01% | 3 | 0.02% |
| 304 | ubiquitin-like 1 (sentrin) (UBL1) (=SUMO-1) | NM_003352.1 | 2 | 0.01% | 3 | 0.02% |
| 305 | cytosolic selenium-dependent glutathione peroxidase (=L09159 RHOA p | M83094 | 2 | 0.01% | 3 | 0.02% |
| 306 | BCL2/adenovirus E1B 19kD-interacting protein 3 (BNIP3) | U15174 | 2 | 0.01% | 3 | 0.02% |
| 307 | NADH dehydrogenase subunit 2 (ND2) | AF014897.2 | 2 | 0.01% | 3 | 0.02% |
| 308 | poly(A)-binding protein, cytoplasmic 1 (PABPC1) | NM_002568.1 | 2 | 0.01% | 3 | 0.02% |
| 309 | PAPS synthetase-2 (PAPSS2) | AF074331.1 | 2 | 0.01% | 3 | 0.02% |

Figure 15 - Continued

| | | | | | | |
|-----|--|-------------|----|-------|---|-------|
| 310 | TATA box binding protein (TBP)-associated factor, RNA polymerase II, F | NM_005642.1 | 2 | 0.01% | 3 | 0.02% |
| 311 | MAGUK protein p55T (=AB002323 KIAA0325) | AF162130.1 | 2 | 0.01% | 3 | 0.02% |
| 312 | adaptor-related protein complex 3, sigma 1 subunit (CLAPS3) | NM_001284.1 | 2 | 0.01% | 3 | 0.02% |
| 313 | KIAA0372 | AB002370.1 | 2 | 0.01% | 3 | 0.02% |
| 314 | ubiquinol-cytochrome c reductase hinge protein (UQCRH) | NM_006004.1 | 2 | 0.01% | 3 | 0.02% |
| 315 | non-histone chromosome protein 2 (S. cerevisiae)-like 1 (NHP2L1)=D50 | NM_005008.1 | 2 | 0.01% | 3 | 0.02% |
| 316 | heterogeneous nuclear ribonucleoprotein M (HNRPM) | 5174610 | 2 | 0.01% | 3 | 0.02% |
| 317 | Golgi apparatus protein 1 (GLG1) | NM_012201.1 | 2 | 0.01% | 3 | 0.02% |
| 318 | moesin (MSN) | NM_002444.1 | 2 | 0.01% | 3 | 0.02% |
| 319 | nucleolar phosphoprotein p130 (P130) | NM_004741.1 | 2 | 0.01% | 3 | 0.02% |
| 320 | neuroendocrine-specific protein C like (foocen) (NSP-CL) reticulon 4 (R | NM_007008.1 | 1 | 0.01% | 3 | 0.02% |
| 321 | mitochondrial proteolipid 68MP homolog (PLPM) | NM_004894.1 | 1 | 0.01% | 3 | 0.02% |
| 322 | hepatitis B virus X interacting protein (XIP) | AF029890 | 1 | 0.01% | 3 | 0.02% |
| 323 | activated RNA polymerase (PC4) | NM_006713.1 | 1 | 0.01% | 3 | 0.02% |
| 324 | FRG1 | L76159 | 1 | 0.01% | 3 | 0.02% |
| 325 | CD164 antigen, sialomucin (CD164) | NM_006016.1 | 1 | 0.01% | 3 | 0.02% |
| 326 | ganglioside expression factor 2 (GEF-2) | NM_007285.1 | 1 | 0.01% | 3 | 0.02% |
| 327 | S164 (=AC004858 U1 small ribonucleoprotein 1SNRP homologue) | AF109907 | 1 | 0.01% | 3 | 0.02% |
| 328 | sema domain immunoglobulin domain (Ig)(semaphorin) 3E (SEMA3E)(= | NM_012431.1 | 1 | 0.01% | 3 | 0.02% |
| 329 | prion protein (p27-30) (Creutzfeld-Jakob disease, Gerstmann-Strausler- | NM_000311.1 | 1 | 0.01% | 3 | 0.02% |
| 330 | interleukin 1 receptor, type I (IL1R1) = M27492.1 | NM_000877.1 | 1 | 0.01% | 3 | 0.02% |
| 331 | zinc finger protein 9 (a cellular retroviral nucleic acid binding protein) | gi4827070 | 1 | 0.01% | 3 | 0.02% |
| 332 | KIAA0242 | D87684 | 1 | 0.01% | 3 | 0.02% |
| 333 | PPP1R5 | AF110824.1 | 1 | 0.01% | 3 | 0.02% |
| 334 | transforming, acidic coiled-coil containing protein 1 (TACC1=AF049910 | NM_006283.1 | 1 | 0.01% | 3 | 0.02% |
| 335 | clathrin, light polypeptide (Lca) (CLTA) | NM_007096.1 | 1 | 0.01% | 3 | 0.02% |
| 336 | KIAA0069 gene | D31885.1 | 1 | 0.01% | 3 | 0.02% |
| 337 | uncharacterized bone marrow protein BM034 (=AK000571 FLJ20564 fis | AF217511.1 | 1 | 0.01% | 3 | 0.02% |
| 338 | Membrane cofactor protein | X59408.1 | 1 | 0.01% | 3 | 0.02% |
| 339 | KIAA0349 gene | AB002347.1 | 1 | 0.01% | 3 | 0.02% |
| 340 | TGF-beta inducible early protein (TIEG) | U21847 | 1 | 0.01% | 3 | 0.02% |
| 341 | CD59 antigen p18-20 (antigen identified by monoclonal antibodies 16.3A | NM_000611.1 | 1 | 0.01% | 3 | 0.02% |
| 342 | signal peptidase complex (18kD) (SPC18) | NM_014300.1 | 1 | 0.01% | 3 | 0.02% |
| 343 | archain 1 (ARCN1) | gi4502194 | 1 | 0.01% | 3 | 0.02% |
| 344 | selenoprotein W (hSelW) | AF015283.1 | 1 | 0.01% | 3 | 0.02% |
| 345 | nuclear factor I/B (NFIB) | NM_005596.1 | 1 | 0.01% | 3 | 0.02% |
| 346 | KIAA0174 | D79996 | 1 | 0.01% | 3 | 0.02% |
| 347 | heterogeneous nuclear ribonucleoprotein H1 (H) (HNRPH1) | NM_005520.1 | 1 | 0.01% | 3 | 0.02% |
| 348 | calcium modulating cyclophilin ligand CAMLG (CAMLG) | AF068179.1 | 1 | 0.01% | 3 | 0.02% |
| 349 | KIAA0527 | AB011099.1 | 1 | 0.01% | 3 | 0.02% |
| 350 | retrovirus-related hypothetical protein II (=X52235 ORFII) | S23650 | 1 | 0.01% | 3 | 0.02% |
| 351 | polymerase (RNA) II polypeptide G (POLR2G) | NM_002696.1 | 1 | 0.01% | 3 | 0.02% |
| 352 | peptidylprolyl isomerase A (cyclophilin A) (PPIA), mRNA /cds=(44,541) / | Hs.342389 | 1 | 0.01% | 3 | 0.02% |
| 353 | S100 calcium-binding protein, beta (neural) (S100B) | NM_006272.1 | 1 | 0.01% | 3 | 0.02% |
| 354 | phosphatidic acid phosphatase 2b (PPAP2B) | AB000889 | 1 | 0.01% | 3 | 0.02% |
| 355 | KIAA1354 | AB037775 | 1 | 0.01% | 3 | 0.02% |
| 356 | glycyl-tRNA synthetase; glycine tRNA ligase (RefSeq aa 1e-45) | NP_002038.1 | 1 | 0.01% | 3 | 0.02% |
| 357 | coagulation factor XIII, A1 polypeptide (F13A1) | NM_000129.1 | 1 | 0.01% | 3 | 0.02% |
| 358 | CGI-31 protein (LOC51075), | NM_015959.1 | 1 | 0.01% | 3 | 0.02% |
| 359 | caltractin (20kD calcium-binding protein) (CALT) | NM_004344.1 | 1 | 0.01% | 3 | 0.02% |
| 360 | PC3 cell line (TL27) | X75684.1 | 1 | 0.01% | 3 | 0.02% |
| 361 | glyceraldehyde 3-phosphate dehydrogenase (GADPH) | J02642 | 41 | 0.31% | 2 | 0.01% |

Figure 15 - Continued

| | | | | | | |
|-----|---|-------------|----|-------|---|-------|
| 362 | ribosomal protein S5 (RPS5) | NM_001009.1 | 29 | 0.22% | 2 | 0.01% |
| 363 | ribosomal protein L35 | U12465 | 27 | 0.20% | 2 | 0.01% |
| 364 | ribosomal protein S3 (RPS3) | NM_001005.1 | 21 | 0.16% | 2 | 0.01% |
| 365 | cartilage link protein (CRTL1) | U43328.1 | 20 | 0.15% | 2 | 0.01% |
| 366 | ribosomal protein S16 | M60854 | 14 | 0.10% | 2 | 0.01% |
| 367 | laminin receptor 1 (67kD, ribosomal protein SA) (LAMR1)(ORF) | NM_002295.1 | 12 | 0.09% | 2 | 0.01% |
| 368 | ribosomal protein L23a | U43701 | 11 | 0.08% | 2 | 0.01% |
| 369 | ribosomal protein S15 (RPS15) (=insulinoma rig-analog encoding DNA-t | NM_001018.1 | 11 | 0.08% | 2 | 0.01% |
| 370 | elongation factor 1 beta 2 (EEF1B2) | NM_001959.1 | 10 | 0.07% | 2 | 0.01% |
| 371 | collagenase type IV | J03210 | 10 | 0.07% | 2 | 0.01% |
| 372 | RNA polymerase II elongation factor-like protein | Z47087 | 8 | 0.06% | 2 | 0.01% |
| 373 | calumein (Calu) (calumenin) | AF013759 | 8 | 0.06% | 2 | 0.01% |
| 374 | calreticulin (CALR) | M84739 | 7 | 0.05% | 2 | 0.01% |
| 375 | 1-8U gene from interferon-inducible gene family | X57352.1 | 6 | 0.04% | 2 | 0.01% |
| 376 | BiP protein | X87949 | 5 | 0.04% | 2 | 0.01% |
| 377 | ATP synthase, H transporting, mitochondrial F1 complex, gamma polyp | NM_005174.1 | 5 | 0.04% | 2 | 0.01% |
| 378 | ATP synthase, H transporting, mitochondrial F1 complex, alpha subunit | NM_004046.1 | 5 | 0.04% | 2 | 0.01% |
| 379 | thrombospondin 2 (THBS2) | L12350 | 5 | 0.04% | 2 | 0.01% |
| 380 | thrombospondin 1 (THBS1) | NM_003246.1 | 5 | 0.04% | 2 | 0.01% |
| 381 | cytosolic thyroid hormone-binding protein (=M23725 M2-type pyruvate k | M26252 | 5 | 0.04% | 2 | 0.01% |
| 382 | fatty acid binding protein (adipocyte lipid-binding protein) | NM_001442.1 | 4 | 0.03% | 2 | 0.01% |
| 383 | 78 kD glucose-regulated protein (GRP78) gene (=BiP protein) | M19645.1 | 4 | 0.03% | 2 | 0.01% |
| 384 | fibrillin (FBN1) | X63556 | 4 | 0.03% | 2 | 0.01% |
| 385 | nuclease sensitive element binding protein 1 (NSEP1) = L28809.1 dbpB | NM_004559.1 | 4 | 0.03% | 2 | 0.01% |
| 386 | HSPC016, mRNA /cds=(38,232) /gb=Nm_015933 /gi=7705430 /ug=Hs.1 | Hs.171774 | 4 | 0.03% | 2 | 0.01% |
| 387 | cellular growth-regulating protein | L10844 | 4 | 0.03% | 2 | 0.01% |
| 388 | anti-oxidant protein 2 (non-selenium glutathione peroxidase, acidic calci | NM_004905.1 | 4 | 0.03% | 2 | 0.01% |
| 389 | small EDRK-rich factor 2 (SERF2) | NM_005770.1 | 4 | 0.03% | 2 | 0.01% |
| 390 | chondroadherin (CHAD) | U96769 | 4 | 0.03% | 2 | 0.01% |
| 391 | general transcription factor 2-I (GTF2I) | AF038968 | 4 | 0.03% | 2 | 0.01% |
| 392 | CD9 antigen (p24/CD9) | L08125 | 3 | 0.02% | 2 | 0.01% |
| 393 | prefoldin 5 (PFND5) (=D89667 c-myc binding protein) | NP_002615.1 | 3 | 0.02% | 2 | 0.01% |
| 394 | tomoregulin | AB004064.1 | 3 | 0.02% | 2 | 0.01% |
| 395 | phenylalkylamine binding protein gene | AF196969.1 | 3 | 0.02% | 2 | 0.01% |
| 396 | ERF-1 | X79067.1 | 3 | 0.02% | 2 | 0.01% |
| 397 | collagen type VI alpha 1(COL6A1) | X15880 | 3 | 0.02% | 2 | 0.01% |
| 398 | KIAA1077 | AB029000.1 | 3 | 0.02% | 2 | 0.01% |
| 399 | SWI/SNF related, matrix associated (SMARCA1) | gi4507066 | 3 | 0.02% | 2 | 0.01% |
| 400 | ornithine aminotransferase | M29927 | 3 | 0.02% | 2 | 0.01% |
| 401 | reticulocalbin 2, EF-hand calcium binding domain (RCN2) =X78669 (OR | NM_002902.1 | 3 | 0.02% | 2 | 0.01% |
| 402 | KIAA0143 gene | D63477.1 | 3 | 0.02% | 2 | 0.01% |
| 403 | myristoylated alanine-rich C-kinase substrate (=D10522 80K-L protein) | M68956 | 3 | 0.02% | 2 | 0.01% |
| 404 | laminin, alpha 4 (LAMA4) | NM_002290.1 | 3 | 0.02% | 2 | 0.01% |
| 405 | vascular endothelial growth factor (VEGF) | AF024710.1 | 3 | 0.02% | 2 | 0.01% |
| 406 | RNA-binding protein regulatory subunit | AF021819 | 3 | 0.02% | 2 | 0.01% |
| 407 | ATP SYNTHASE A CHAIN (PROTEIN 6)(ORF) | P00846 | 3 | 0.02% | 2 | 0.01% |
| 408 | S100 calcium-binding protein A13 (S100A13) | NM_005979.1 | 3 | 0.02% | 2 | 0.01% |
| 409 | glucocorticoid receptor AF-1 specific elongation factor | AF174496.1 | 3 | 0.02% | 2 | 0.01% |
| 410 | complement factor H (=M17517) | Y00716 | 2 | 0.01% | 2 | 0.01% |
| 411 | SPARC-like 1 (mast9, hevin) (SPARCL1) | NM_004684.1 | 2 | 0.01% | 2 | 0.01% |
| 412 | vacuolar sorting protein VPS29/PEP11 (LOC51699) | NM_016226.1 | 2 | 0.01% | 2 | 0.01% |
| 413 | UDP-glucose dehydrogenase (UGDH) | AF061016 | 2 | 0.01% | 2 | 0.01% |

Figure 15 - Continued

| | | | | | | |
|-----|---|-------------|---|-------|---|-------|
| 414 | SET translocation (myeloid leukemia-associated) (SET) =M93651 | NM_003011.1 | 2 | 0.01% | 2 | 0.01% |
| 415 | HSPC035 protein (LOC51669), NPD003 | NM_016127.1 | 2 | 0.01% | 2 | 0.01% |
| 416 | karyopherin alpha 4 (=importin alpha 3) (KPNA4) | NM_002268.1 | 2 | 0.01% | 2 | 0.01% |
| 417 | CYTOCHROME C OXIDASE POLYPEPTIDE II | spP00403 | 2 | 0.01% | 2 | 0.01% |
| 418 | apoptosis related protein APR-1 | AF143235.2 | 2 | 0.01% | 2 | 0.01% |
| 419 | HSPC194 | AF151028.1 | 2 | 0.01% | 2 | 0.01% |
| 420 | KDEL (Lys-Asp-Glu-Leu) endoplasmic reticulum protein retention receptor | NM_006854.2 | 2 | 0.01% | 2 | 0.01% |
| 421 | poly(rC)-binding protein 1 (PCBP1) | NM_006196.1 | 2 | 0.01% | 2 | 0.01% |
| 422 | immunoglobulin lambda gene | D87003.1 | 2 | 0.01% | 2 | 0.01% |
| 423 | NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 8 (19kD, ASH1) | NM_005004.1 | 2 | 0.01% | 2 | 0.01% |
| 424 | cyclophilin-related protein (NKTR) gene (=PAC RPCI4-613B23) | AF184110.1 | 2 | 0.01% | 2 | 0.01% |
| 425 | chaperonin containing T-complex subunit 6 (CCT6) = L27706.1 | NM_001762.1 | 2 | 0.01% | 2 | 0.01% |
| 426 | low density lipoprotein receptor | L00352 | 2 | 0.01% | 2 | 0.01% |
| 427 | chaperonin containing TCP1 subunit 4 (delta) (CCT4) | NM_006430.1 | 2 | 0.01% | 2 | 0.01% |
| 428 | translocase of outer mitochondrial membrane 20 (yeast) homolog (KIAA) | NM_014765.1 | 2 | 0.01% | 2 | 0.01% |
| 429 | serine/threonine kinase KPM | AF207547.1 | 2 | 0.01% | 2 | 0.01% |
| 430 | alcohol dehydrogenase, class III (ADH5) chi subunit | M30471 | 2 | 0.01% | 2 | 0.01% |
| 431 | phosphatidic acid phosphatase 2a | AB000888 | 2 | 0.01% | 2 | 0.01% |
| 432 | KIAA0670 protein/acinusL (no-exact match 42% a.a.) | NP_055792.1 | 2 | 0.01% | 2 | 0.01% |
| 433 | aspartyl-tRNA synthetase (DARS) | NM_001349.1 | 2 | 0.01% | 2 | 0.01% |
| 434 | cystatin B | U46692 | 2 | 0.01% | 2 | 0.01% |
| 435 | cytoplasmic beta-actin | M10277 | 2 | 0.01% | 2 | 0.01% |
| 436 | YEA1 (YY1 and E4TF1 associated factor 1) | AB029551.1 | 2 | 0.01% | 2 | 0.01% |
| 437 | Zn-15 transcription factor (Zfp-15) (=AB011102 Human KIAA0530) | AF017806 | 2 | 0.01% | 2 | 0.01% |
| 438 | proteasome (prosome, macropain) subunit, beta type, 7 (PSMB7) | NM_002799.1 | 2 | 0.01% | 2 | 0.01% |
| 439 | gelsolin, plasma (GSN) | X04412 | 2 | 0.01% | 2 | 0.01% |
| 440 | C90RF3 | AF043897.1 | 2 | 0.01% | 2 | 0.01% |
| 441 | splicing factor 3b, subunit 2, 145kD (SF3B2) | NM_006842.1 | 2 | 0.01% | 2 | 0.01% |
| 442 | splicing factor, arginine/serine-rich 4 (SFRS4) | NM_005626.1 | 2 | 0.01% | 2 | 0.01% |
| 443 | CGI-120 protein (LOC51644) | NM_016057.1 | 2 | 0.01% | 2 | 0.01% |
| 444 | tumor antigen (L6) | M90657.1 | 2 | 0.01% | 2 | 0.01% |
| 445 | heat shock factor binding protein 1 (HSBP1) | NM_001537.1 | 1 | 0.01% | 2 | 0.01% |
| 446 | 15 kDa selenoprotein (SEP15) | AF051894 | 1 | 0.01% | 2 | 0.01% |
| 447 | epidermal growth factor receptor kinase substrate (Eps8) | U12535 | 1 | 0.01% | 2 | 0.01% |
| 448 | Down syndrome candidate region 1 (DSCR1) | NM_004414.2 | 1 | 0.01% | 2 | 0.01% |
| 449 | matrilin-2 precursor | U69263 | 1 | 0.01% | 2 | 0.01% |
| 450 | CYTOCHROME C OXIDASE POLYPEPTIDE I | P00395 | 1 | 0.01% | 2 | 0.01% |
| 451 | KIAA0663 | AB014563 | 1 | 0.01% | 2 | 0.01% |
| 452 | palmitoyl-protein thioesterase (PPT) | AF022211 | 1 | 0.01% | 2 | 0.01% |
| 453 | KIAA0102 | D14658 | 1 | 0.01% | 2 | 0.01% |
| 454 | NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 5 (13kD, B13) | NM_005000.1 | 1 | 0.01% | 2 | 0.01% |
| 455 | GW128 | AF107406 | 1 | 0.01% | 2 | 0.01% |
| 456 | SLC11A3 iron transporter | AF215636.1 | 1 | 0.01% | 2 | 0.01% |
| 457 | esterase D | AF112219 | 1 | 0.01% | 2 | 0.01% |
| 458 | DRP-2 dihydropyrimidinase related protein 2 | AB020777.1 | 1 | 0.01% | 2 | 0.01% |
| 459 | KIAA0530 | AB011102 | 1 | 0.01% | 2 | 0.01% |
| 460 | ribosomal protein L33-like protein | AF047440 | 1 | 0.01% | 2 | 0.01% |
| 461 | synaptophysin-like protein (SYPL) | gi5803184 | 1 | 0.01% | 2 | 0.01% |
| 462 | conserved gene amplified in osteosarcoma (OS4) | NM_005730.1 | 1 | 0.01% | 2 | 0.01% |
| 463 | DNA-binding protein A gene | L29073.1 | 1 | 0.01% | 2 | 0.01% |
| 464 | YME1 (S.cerevisiae)-like 1 (YME1L1), = AJ132637.1 ATP-dependent me | NM_014263.1 | 1 | 0.01% | 2 | 0.01% |
| 465 | jumping translocation breakpoint (JTB) =AB016488 hJTB (ORF) | NM_006694.1 | 1 | 0.01% | 2 | 0.01% |

Figure 15 - Continued

| | | | | | | |
|-----|---|-------------|---|-------|---|-------|
| 466 | MHC class 1 region | AF055066 | 1 | 0.01% | 2 | 0.01% |
| 467 | plastin 3 (T isoform) (PLS3) | NM_005032.2 | 1 | 0.01% | 2 | 0.01% |
| 468 | fibroblast growth factor 2 (basic)(FGF2) | NM_002006.1 | 1 | 0.01% | 2 | 0.01% |
| 469 | NADH dehydrogenase(ubiquinone) 1, alpha/beta subcomplex, 1 (8kD, S | NM_005003.1 | 1 | 0.01% | 2 | 0.01% |
| 470 | steroid sensitive gene-1 protein (SSG-1) | AF223677.1 | 1 | 0.01% | 2 | 0.01% |
| 471 | NADH-UBIQUINONE OXIDOREDUCTASE CHAIN 4 | P03905 | 1 | 0.01% | 2 | 0.01% |
| 472 | PROS-27 | X59417 | 1 | 0.01% | 2 | 0.01% |
| 473 | prolylcarboxypeptidase (angiotensinase C) (PRCP) | NM_005040.1 | 1 | 0.01% | 2 | 0.01% |
| 474 | GLI-Kruppel family member GLI3 (Greig cephalopolysyndactyly syndrom | gi4504014 | 1 | 0.01% | 2 | 0.01% |
| 475 | zinc finger protein 84 (HPF2) (ZNF84) | NM_003428.1 | 1 | 0.01% | 2 | 0.01% |
| 476 | oxysterol-binding protein | AB017026 | 1 | 0.01% | 2 | 0.01% |
| 477 | translation initiation factor (=D21853 hypothetical protein (KIAA0111)) | X79538 | 1 | 0.01% | 2 | 0.01% |
| 478 | prostate cancer tumor suppressor (N33) | NM_006765.1 | 1 | 0.01% | 2 | 0.01% |
| 479 | cytoskeletal tropomyosin TM30(nm) | X04588.1 | 1 | 0.01% | 2 | 0.01% |
| 480 | capping protein (actin filament) muscle Z-line, alpha 2 (CAPZA2) | NM_006136.1 | 1 | 0.01% | 2 | 0.01% |
| 481 | chaperonin containing TCP1, subunit 8 (theta) (CCT8)(ORF) | NM_006585.1 | 1 | 0.01% | 2 | 0.01% |
| 482 | integrin, alpha E (antigen CD103, human mucosal lymphocyte antigen 1 | NM_002208.3 | 1 | 0.01% | 2 | 0.01% |
| 483 | chondrosarcoma-associated protein 2 (CSA2) | AF182645.1 | 1 | 0.01% | 2 | 0.01% |
| 484 | housekeeping (Q1Z 7F5) gene | M81806.1 | 1 | 0.01% | 2 | 0.01% |
| 485 | KIAA0671 | AB014571.1 | 1 | 0.01% | 2 | 0.01% |
| 486 | KIAA1376 protein | AB037797.1 | 1 | 0.01% | 2 | 0.01% |
| 487 | serine palmitoyl transferase | AF111168.2 | 1 | 0.01% | 2 | 0.01% |
| 488 | NADH-ubiquinone oxidoreductase B17 | AF067167.1 | 1 | 0.01% | 2 | 0.01% |
| 489 | basic transcription factor 3 (RefSeq aa 4e-39) | NP_001198.1 | 1 | 0.01% | 2 | 0.01% |
| 490 | CGI-74 protein | AF151832.1 | 1 | 0.01% | 2 | 0.01% |
| 491 | coxsackievirus and adenovirus receptor (CXADR) | AF200465.1 | 1 | 0.01% | 2 | 0.01% |
| 492 | insulin receptor | L07782 | 1 | 0.01% | 2 | 0.01% |
| 493 | leptin receptor (ORF) | U66496 | 1 | 0.01% | 2 | 0.01% |
| 494 | protein-kinase, interferon-inducible double stranded RNA dependent inh | NP_006251.1 | 1 | 0.01% | 2 | 0.01% |
| 495 | high-glucose-regulated protein 8 (HGRG8) | AF192968.1 | 1 | 0.01% | 2 | 0.01% |
| 496 | prefoldin 1 (PFDN1) | NM_002622.1 | 1 | 0.01% | 2 | 0.01% |
| 497 | KIAA0993 | AB023210.1 | 1 | 0.01% | 2 | 0.01% |
| 498 | Nijmegen breakage syndrome 1 (nibrin) (NBS1) | NM_002485.2 | 1 | 0.01% | 2 | 0.01% |
| 499 | topoisomerase IIb mRNA, (= TOP2 mRNA for DNA topoisomerase II) | U54831.1 | 1 | 0.01% | 2 | 0.01% |
| 500 | CUG triplet repeat, RNA-binding protein 2 (CUGBP2), (=apoptosis-relate | NM_006561.1 | 1 | 0.01% | 2 | 0.01% |
| 501 | galactosidase, alpha (GLA) | NM_000169.1 | 1 | 0.01% | 2 | 0.01% |
| 502 | methionine adenosyltransferase alpha subunit | L43509 | 1 | 0.01% | 2 | 0.01% |
| 503 | cysteine protease | D55696.1 | 1 | 0.01% | 2 | 0.01% |
| 504 | six transmembrane epithelial antigen of prostate (STEAP1) | AF186249.1 | 1 | 0.01% | 2 | 0.01% |
| 505 | GTT1 | AF270647 | 1 | 0.01% | 2 | 0.01% |
| 506 | HSPC033 protein (HSPC033) | NM_014041.1 | 1 | 0.01% | 2 | 0.01% |
| 507 | retinal pigment epithelium | L07393.1 | 1 | 0.01% | 2 | 0.01% |
| 508 | pyrroline-5-carboxylate reductase 1 (PYCR1) | NM_006907.1 | 1 | 0.01% | 2 | 0.01% |
| 509 | S-adenosylmethionine decarboxylase 1 (AMD1) | NM_001634.3 | 1 | 0.01% | 2 | 0.01% |
| 510 | sorting nexin 1 (SNX1) | NM_003099.1 | 1 | 0.01% | 2 | 0.01% |
| 511 | TRAM-like protein (KIAA0057), mRNA | NM_012288.1 | 1 | 0.01% | 2 | 0.01% |
| 512 | bromodomain-containing 2 (BRD2)= KIAA9001 | NM_005104.1 | 1 | 0.01% | 2 | 0.01% |
| 513 | laminin, beta 2 (laminin S)(LAMB2) mRNA | NM_002292.1 | 1 | 0.01% | 2 | 0.01% |
| 514 | glutamate dehydrogenase 1 (GLUD1) | NM_005271.1 | 1 | 0.01% | 2 | 0.01% |
| 515 | leptin receptor gene-related protein (HSOBRGRP) | NM_017526.1 | 1 | 0.01% | 2 | 0.01% |
| 516 | Ser/Arg-related nuclear matrix protein (plenty of prolines 101-like) (SRM | NM_005839.1 | 1 | 0.01% | 2 | 0.01% |
| 517 | serum-inducible kinase (SNK) | AF223574.1 | 1 | 0.01% | 2 | 0.01% |

Figure 15 - Continued

| | | | | | | |
|-----|---|-------------|----|-------|---|-------|
| 518 | quiescin Q6 (QSCN6)(= bone-derived growth factor (BPGF-1)) | NM_002826.1 | 1 | 0.01% | 2 | 0.01% |
| 519 | brain-specific STE20-like protein kinase 3 (STK3) | AF083420.1 | 1 | 0.01% | 2 | 0.01% |
| 520 | Sec31 protein | AF139184.1 | 1 | 0.01% | 2 | 0.01% |
| 521 | high-mobility group (nonhistone chromosomal) protein 14 (HMG14) | NM_004965.1 | 1 | 0.01% | 2 | 0.01% |
| 522 | ribosomal protein, large, P1 (RPLP1) | NM_001003.1 | 40 | 0.30% | 1 | 0.01% |
| 523 | ribosomal protein S28, yeast homologue | D14530 | 38 | 0.28% | 1 | 0.01% |
| 524 | ribosomal protein S18 | X69150.1 | 33 | 0.25% | 1 | 0.01% |
| 525 | ribosomal protein L18 (RPL18) | NM_000979.1 | 28 | 0.21% | 1 | 0.01% |
| 526 | ribosomal protein L18a | L05093.1 | 27 | 0.20% | 1 | 0.01% |
| 527 | H19 (=PRO2605) | M32053 | 25 | 0.19% | 1 | 0.01% |
| 528 | RIBOSOMAL PROTEIN S2 (S4) (LLREP3 PROTEIN) | spP15880 | 24 | 0.18% | 1 | 0.01% |
| 529 | ribosomal protein S10 | NM_001014.1 | 22 | 0.16% | 1 | 0.01% |
| 530 | ribosomal protein L29 (RPL29) | NM_000992.1 | 21 | 0.16% | 1 | 0.01% |
| 531 | elongation factor 2 | X51466 | 16 | 0.12% | 1 | 0.01% |
| 532 | aggrecan (chondroitin sulfate proteoglycan 1, large aggregating proteoglycan) | U13613 | 14 | 0.10% | 1 | 0.01% |
| 533 | dolichyl-phosphate beta-glucosyltransferase (ALG5) | AF102850.1 | 13 | 0.10% | 1 | 0.01% |
| 534 | calcyclin (=M14300 growth factor-inducible 2A9 gene; U04815 protein kinase) | J02763 | 10 | 0.07% | 1 | 0.01% |
| 535 | mesoderm specific transcript (mouse) homolog (MEST) | NM_002402.1 | 10 | 0.07% | 1 | 0.01% |
| 536 | androgen receptor associated protein 24 (ARA24) (=AF054183 GTP binding protein) | AF052578 | 8 | 0.06% | 1 | 0.01% |
| 537 | transmembrane protein (p63) | X69910 | 8 | 0.06% | 1 | 0.01% |
| 538 | ATP synthase, H transporting, mitochondrial F1F0, subunit g (ATP5JG) | NM_006476.1 | 7 | 0.05% | 1 | 0.01% |
| 539 | ADP-ribosylation factor 1 | M84326.1 | 7 | 0.05% | 1 | 0.01% |
| 540 | melanoma-associated antigen MG50 | AF200348.1 | 7 | 0.05% | 1 | 0.01% |
| 541 | phosphoglycerate mutase (PGAM-B) | J04173 | 6 | 0.04% | 1 | 0.01% |
| 542 | transcription factor BTF 3 | X74070 | 6 | 0.04% | 1 | 0.01% |
| 543 | DEK oncogene (DNA binding) (DEK) | gi4503248 | 5 | 0.04% | 1 | 0.01% |
| 544 | titin (TTN) gene | CAA49245.1 | 5 | 0.04% | 1 | 0.01% |
| 545 | ISLR (immunoglobulin superfamily containing leucine-rich repeat) gene, | AB024537 | 5 | 0.04% | 1 | 0.01% |
| 546 | Finkel-Biskis-Reilly murine sarcoma virus (FBR-MuSV) | NM_001997.1 | 5 | 0.04% | 1 | 0.01% |
| 547 | shox gene | U82668 | 5 | 0.04% | 1 | 0.01% |
| 548 | high mobility group-1 protein (HMG-1) | X12597 | 4 | 0.03% | 1 | 0.01% |
| 549 | collagen type V alpha 2 (COL5A2) | M11718 | 4 | 0.03% | 1 | 0.01% |
| 550 | cyclin | M74091 | 4 | 0.03% | 1 | 0.01% |
| 551 | sphingolipid activator protein 1 | J03015 | 4 | 0.03% | 1 | 0.01% |
| 552 | non-metastatic cells 2, protein (NM23B) expressed in (NME2) | NM_002512.1 | 4 | 0.03% | 1 | 0.01% |
| 553 | filamin (FLNB) | AF191633.1 | 4 | 0.03% | 1 | 0.01% |
| 554 | H3 histone, family 3B (H3.3B) (H3F3B) | NM_005324.1 | 4 | 0.03% | 1 | 0.01% |
| 555 | 6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase (PF2K) (=AB007183) | AF041832 | 4 | 0.03% | 1 | 0.01% |
| 556 | ornithine decarboxylase antizyme | D87914 | 4 | 0.03% | 1 | 0.01% |
| 557 | myeloid leukemia factor 2 (MLF2) | NM_005439.1 | 4 | 0.03% | 1 | 0.01% |
| 558 | PRO2605 | AF116709.1 | 4 | 0.03% | 1 | 0.01% |
| 559 | Cu/Zn superoxide dismutase (SOD) | X02317 | 3 | 0.02% | 1 | 0.01% |
| 560 | YAP65 | X80507.1 | 3 | 0.02% | 1 | 0.01% |
| 561 | prolyl 4-hydroxylase gene | U14608.1 | 3 | 0.02% | 1 | 0.01% |
| 562 | protein phosphatase 2A catalytic subunit-beta | M60484 | 3 | 0.02% | 1 | 0.01% |
| 563 | ubiquitin gene | U49869 | 3 | 0.02% | 1 | 0.01% |
| 564 | Arp2/3 protein complex subunit p16 (ARC16) (=AF006088 (ORF)) | NM_005717.1 | 3 | 0.02% | 1 | 0.01% |
| 565 | eukaryotic translation initiation factor 3, subunit 3 (gamma, 40kD) | gi4503514 | 3 | 0.02% | 1 | 0.01% |
| 566 | zinc finger protein SLUG (SLUG) gene | AF084243.1 | 3 | 0.02% | 1 | 0.01% |
| 567 | KIAA0038 gene | D26068.1 | 3 | 0.02% | 1 | 0.01% |
| 568 | U50HG genes for U50' snoRNA and U50 snoRNA, complete sequence | AB017710 | 3 | 0.02% | 1 | 0.01% |
| 569 | RAD21 (S. pombe) homolog (RAD21) (=X98294) | gi5453993 | 3 | 0.02% | 1 | 0.01% |

Figure 15 - Continued

| | | | | | | |
|-----|--|-------------|---|-------|---|-------|
| 570 | transformer-2 alpha (htra-2 alpha) | U53209.1 | 3 | 0.02% | 1 | 0.01% |
| 571 | karyopherin (importin) beta 1 (KPNB1) (=L38951 importin beta subunit) | gi4504904 | 3 | 0.02% | 1 | 0.01% |
| 572 | endothelial differentiation-related factor 1 (EDF1) | NM_003792.1 | 3 | 0.02% | 1 | 0.01% |
| 573 | G8 protein (G8) | NM_016947.1 | 3 | 0.02% | 1 | 0.01% |
| 574 | KIAA0107 | D14663 | 3 | 0.02% | 1 | 0.01% |
| 575 | KIAA0325 gene | AB002323.1 | 3 | 0.02% | 1 | 0.01% |
| 576 | xeroderma pigmentosum group E UV-damaged DNA binding factor = NM | U32986.1 | 3 | 0.02% | 1 | 0.01% |
| 577 | replication factor C (activator 1) 1 (145kD) (RFC1) mRNA | NM_002913.1 | 3 | 0.02% | 1 | 0.01% |
| 578 | hexokinase 1 (HK1) (=AF016365;X66957) | M75126 | 3 | 0.02% | 1 | 0.01% |
| 579 | DNA-dependent protein kinase catalytic subunit (DNA-PKcs) | U47077.3 | 3 | 0.02% | 1 | 0.01% |
| 580 | nucleosome assembly protein 1-like 1 (NAP1L1) | XM_047969.1 | 3 | 0.02% | 1 | 0.01% |
| 581 | MHC class I (HLA-A) | U59701 | 3 | 0.02% | 1 | 0.01% |
| 582 | signal sequence receptor, beta (translocon-associated protein beta) (SS | X74104 | 3 | 0.02% | 1 | 0.01% |
| 583 | KIAA0251 | D87438 | 3 | 0.02% | 1 | 0.01% |
| 584 | eIF4E-like cap-binding protein (4EHP) (=translation initiation factor 4e) | NM_004846.1 | 3 | 0.02% | 1 | 0.01% |
| 585 | RNA binding motif protein 5 (RBM5) | AF091263.1 | 3 | 0.02% | 1 | 0.01% |
| 586 | isolate Liv chaperone protein HSP90 beta (HSP90BETA) | AF275719.1 | 3 | 0.02% | 1 | 0.01% |
| 587 | echinoderm microtubule-associated protein homolog HuEMAP | U97018 | 3 | 0.02% | 1 | 0.01% |
| 588 | endozepine (putative ligand of benzodiazepine receptor) | M15887.1 | 2 | 0.01% | 1 | 0.01% |
| 589 | RAN, member RAS oncogene family (RAN), mRNA /cds=(114,764) /gb= | Hs.10842 | 2 | 0.01% | 1 | 0.01% |
| 590 | actin-related protein Arp3 (ARP3)(actin-related protein 3 yeast)homolog | AF006083.1 | 2 | 0.01% | 1 | 0.01% |
| 591 | biglycan BGN | U11686.1 | 2 | 0.01% | 1 | 0.01% |
| 592 | Eukaryotic translation initiation factor 2, subunit 2 (beta, 38kD)(EIF2S2) | NM_003908.1 | 2 | 0.01% | 1 | 0.01% |
| 593 | CGI-149 protein | AF151907.1 | 2 | 0.01% | 1 | 0.01% |
| 594 | basic transCRiption factor 2 p44 (btf2p44) gene, partial cds, neuronal ap | U80017.1 | 2 | 0.01% | 1 | 0.01% |
| 595 | CD36 antigen | L06850.1 | 2 | 0.01% | 1 | 0.01% |
| 596 | KIAA0436 | AB007896 | 2 | 0.01% | 1 | 0.01% |
| 597 | growth arrest specific transCRipt 5 gene | AF141346.1 | 2 | 0.01% | 1 | 0.01% |
| 598 | ARP2/3 protein complex subunit 34 (ARC34) | NM_005731.1 | 2 | 0.01% | 1 | 0.01% |
| 599 | high mobility group 2 protein (HMG-2) | M83665 | 2 | 0.01% | 1 | 0.01% |
| 600 | pyruvate dehydrogenase (lipoamide) alpha 1 (PDHA1) | NM_000284.1 | 2 | 0.01% | 1 | 0.01% |
| 601 | sarcoglycan, beta (43kD dystrophin-associated glycoprotein) (SGCB) | NM_000232.1 | 2 | 0.01% | 1 | 0.01% |
| 602 | tubulin-specific chaperone a (TBCA) (=AF038952 cofactor A protein) | gi4759211 | 2 | 0.01% | 1 | 0.01% |
| 603 | KIAA0810 | AB018353.1 | 2 | 0.01% | 1 | 0.01% |
| 604 | fatty acid binding protein 5 (psoriasis-associated) (FABP5) | NM_001444.1 | 2 | 0.01% | 1 | 0.01% |
| 605 | ubiquinol-cytochrome c reductase core protein II (UQCRC2)(ORF) = J04 | NM_003366.1 | 2 | 0.01% | 1 | 0.01% |
| 606 | phosphoglycerate mutase 1 (brain) (PGAM1), mRNA /cds=(31,795) /gb= | Hs.181013 | 2 | 0.01% | 1 | 0.01% |
| 607 | enhancer of polycomb (Epc1) | AF079765 | 2 | 0.01% | 1 | 0.01% |
| 608 | KIAA0136 | D50926.1 | 2 | 0.01% | 1 | 0.01% |
| 609 | ubiquinol-cytochrome c reductase (6.4kD) subunit (UQCR) | NM_006830.1 | 2 | 0.01% | 1 | 0.01% |
| 610 | proteasome-associated pad1 homologue (POH1) 26S | U86782 | 2 | 0.01% | 1 | 0.01% |
| 611 | cathepsin F (CATSF) | AF071749 | 2 | 0.01% | 1 | 0.01% |
| 612 | membrane component, chromosome 11, surface marker 1 (M11S1) = Z | NM_005898.1 | 2 | 0.01% | 1 | 0.01% |
| 613 | signal transducer and activator of transcription 1, 91kD (STAT1)(=transc | NM_007315.1 | 2 | 0.01% | 1 | 0.01% |
| 614 | cyclin D2(=KIAK0002 gene) | NM_001759.1 | 2 | 0.01% | 1 | 0.01% |
| 615 | deoxyuridine triphosphatase(DUT) mRNA, complete cds | U62891.1 | 2 | 0.01% | 1 | 0.01% |
| 616 | cysteinyl-tRNA synthetase | L06845.1 | 2 | 0.01% | 1 | 0.01% |
| 617 | smooth muscle myosin alkali light chain | U02629.1 | 2 | 0.01% | 1 | 0.01% |
| 618 | DiGeorge syndrome critical region gene 6 (DGCR6) | NM_005675.1 | 2 | 0.01% | 1 | 0.01% |
| 619 | cold inducible RNA-binding protein (CIRBP) | NM_001280.1 | 2 | 0.01% | 1 | 0.01% |
| 620 | HSPC037 protein (LOC51659) | NM_016095.1 | 2 | 0.01% | 1 | 0.01% |
| 621 | nuclear distribution gene C (A.nidulans) homolog (NUDC) | NM_006600.1 | 2 | 0.01% | 1 | 0.01% |

Figure 15 - Continued

| | | | | | | |
|-----|---|-------------|---|-------|---|-------|
| 622 | thiosulfate sulfurtransferase (rhodanese) (TST) | X59434 | 2 | 0.01% | 1 | 0.01% |
| 623 | TL27 (from PC3 cell line) | X75684 | 2 | 0.01% | 1 | 0.01% |
| 624 | WW domain binding protein-1 (ORF) | U79457.17 | 2 | 0.01% | 1 | 0.01% |
| 625 | acyl-Coenzyme A dehydrogenase, very long chain (ACADVL), nuclear g | NM_000018.1 | 2 | 0.01% | 1 | 0.01% |
| 626 | transducin (beta) like 2 (TBL2) | NM_012453.1 | 2 | 0.01% | 1 | 0.01% |
| 627 | small nuclear ribonucleoprotein polypeptide F (SNRPF) | NM_003095.1 | 2 | 0.01% | 1 | 0.01% |
| 628 | coatamer protein complex, subunit alpha (COPA), mRNA | NM_004371.2 | 2 | 0.01% | 1 | 0.01% |
| 629 | sorcin (SRI) | L12387.1 | 2 | 0.01% | 1 | 0.01% |
| 630 | capping protein (actin filament), gelsolin-like (CAPG) | M94345 | 2 | 0.01% | 1 | 0.01% |
| 631 | inositol 1,4,5-triphosphate receptor, type 3 (ITPR3) | U01062 | 2 | 0.01% | 1 | 0.01% |
| 632 | interleukin 11 receptor, alpha (IL11RA) | NM_004512.1 | 2 | 0.01% | 1 | 0.01% |
| 633 | EGR1 gene for early growth response protein 1 (=zinc finger protein)(= | AJ243425.1 | 2 | 0.01% | 1 | 0.01% |
| 634 | coatamer protein (COPA) | U24105 | 2 | 0.01% | 1 | 0.01% |
| 635 | mimcan (OGN) (OIF) | AF202167.1 | 1 | 0.01% | 1 | 0.01% |
| 636 | MAFB/Kreisler basic region/leucine zipper transCRiption factor (MAFB) | AF134157.1 | 1 | 0.01% | 1 | 0.01% |
| 637 | Ku autoimmune antigen gene | J04977.1 | 1 | 0.01% | 1 | 0.01% |
| 638 | myosin light chain 3 non-muscle (MLC3nm) | M31212 | 1 | 0.01% | 1 | 0.01% |
| 639 | ARP2/3 protein complex subunit p21 (ARC21=AF006086 (ORF) | NM_005719.1 | 1 | 0.01% | 1 | 0.01% |
| 640 | NS1-binding protein (NS1-BP) (=AB020657 KIAA0850) | AJ012449 | 1 | 0.01% | 1 | 0.01% |
| 641 | inositol polyphosphate 1-phosphatase gene (INPP1) (low match) | AF141324.1 | 1 | 0.01% | 1 | 0.01% |
| 642 | uridine diphosphoglucose pyrophosphorylase | U27460 | 1 | 0.01% | 1 | 0.01% |
| 643 | UDP-glucose pyrophosphorylase 2 (ORF) | NM_006759.1 | 1 | 0.01% | 1 | 0.01% |
| 644 | KIAA0332 | AB002330 | 1 | 0.01% | 1 | 0.01% |
| 645 | ras-related GTP-binding protein | AF106681.1 | 1 | 0.01% | 1 | 0.01% |
| 646 | non-histone chromosomal protein (HMG-1) | L08048.1 | 1 | 0.01% | 1 | 0.01% |
| 647 | lysosomal-associated membrane glycoprotein-1 (LAMP1) (=J04182) | L08582 | 1 | 0.01% | 1 | 0.01% |
| 648 | cornichon protein | AF070654.1 | 1 | 0.01% | 1 | 0.01% |
| 649 | KIAA0766 | AB018309.1 | 1 | 0.01% | 1 | 0.01% |
| 650 | Id-2H | D13891 | 1 | 0.01% | 1 | 0.01% |
| 651 | transCRiption factor (CBFB) | L20298 | 1 | 0.01% | 1 | 0.01% |
| 652 | KIAA1025 | AB028948.1 | 1 | 0.01% | 1 | 0.01% |
| 653 | LGMD2B | AJ007973 | 1 | 0.01% | 1 | 0.01% |
| 654 | KIAA0103 | D14659 | 1 | 0.01% | 1 | 0.01% |
| 655 | basic helix-loop-helix domain containing, class B, 2 (BHLHB2), mRNA /c | Hs.171825 | 1 | 0.01% | 1 | 0.01% |
| 656 | eukaryotic translation initiation factor 3, subunit 10 (theta, 150/170kD) | gi4503508 | 1 | 0.01% | 1 | 0.01% |
| 657 | protein kinase C inhibitor-I | U27143 | 1 | 0.01% | 1 | 0.01% |
| 658 | heterogeneous nuclear ribonucleoprotein R (ORF) | AF000364 | 1 | 0.01% | 1 | 0.01% |
| 659 | growth arrest and DNA-damage-inducible, alpha (GADD45A) | NM_001924.1 | 1 | 0.01% | 1 | 0.01% |
| 660 | KIAA0077 gene | D38521.1 | 1 | 0.01% | 1 | 0.01% |
| 661 | CYTOCHROME C OXIDASE POLYPEPTIDE III | P00414 | 1 | 0.01% | 1 | 0.01% |
| 662 | farnesyl-protein transferase alpha-subunit | L00634 | 1 | 0.01% | 1 | 0.01% |
| 663 | Polyadenylate binding protein | U75686.1 | 1 | 0.01% | 1 | 0.01% |
| 664 | Splicing factor proline/glutamine rich (polypyrimidine tract-binding protein | NM_005066.1 | 1 | 0.01% | 1 | 0.01% |
| 665 | myosin class I, myh-1c | AJ001382 | 1 | 0.01% | 1 | 0.01% |
| 666 | activin A receptor, type I (ACVR1) =Z22534 ALK-2 | NM_001105.1 | 1 | 0.01% | 1 | 0.01% |
| 667 | KIAA1058 protein | AB028981.1 | 1 | 0.01% | 1 | 0.01% |
| 668 | tetraspan TM4SF(TSPAN-6) | AF053453 | 1 | 0.01% | 1 | 0.01% |
| 669 | Rosenthal fiber protein (alpha-B-Crystallin) | M24906 | 1 | 0.01% | 1 | 0.01% |
| 670 | ring finger protein 4 (RNF4) | gi4506560 | 1 | 0.01% | 1 | 0.01% |
| 671 | nuclear factor (erythroid-derived 2)-like 2 (NFE2L2) (=S74017 Nrf2=NF- κ | gi5453775 | 1 | 0.01% | 1 | 0.01% |
| 672 | myosin-binding protein C, cardiac (MYBPC3) | NM_000256.1 | 1 | 0.01% | 1 | 0.01% |
| 673 | IQ motif containing GTPase activating protein 1 (IQGAP1) | NM_003870.1 | 1 | 0.01% | 1 | 0.01% |

Figure 15 - Continued

| | | | | | | |
|-----|--|-------------|---|-------|---|-------|
| 674 | ATP synthase, H transporting, mitochondrial F0 complex, subunit f, isoform 1 | NM_004889.1 | 1 | 0.01% | 1 | 0.01% |
| 675 | cytochrome c oxidase subunit Vb (coxVb) | M19961 | 1 | 0.01% | 1 | 0.01% |
| 676 | hect domain and RLD 2 (HERC2) (=KIAA0393) | NM_004667.2 | 1 | 0.01% | 1 | 0.01% |
| 677 | integrin cytoplasmic domain associated protein (Icap-1a) | AF012023 | 1 | 0.01% | 1 | 0.01% |
| 678 | KIAA0235 | D87078 | 1 | 0.01% | 1 | 0.01% |
| 679 | KIAA0252 | D87440 | 1 | 0.01% | 1 | 0.01% |
| 680 | KIAA0693 | AB014593 | 1 | 0.01% | 1 | 0.01% |
| 681 | nickel-specific induction protein (Cap43) | AF004162.1 | 1 | 0.01% | 1 | 0.01% |
| 682 | PRO1608 | AF119850.1 | 1 | 0.01% | 1 | 0.01% |
| 683 | phosphoribosyl pyrophosphate synthetase subunit I | D00860.1 | 1 | 0.01% | 1 | 0.01% |
| 684 | phospholipid sCRamblase 1 PLSCR1) | AF098642 | 1 | 0.01% | 1 | 0.01% |
| 685 | cytochrome oxidase subunit I (COI) and subunit II (COII) pseudogenes | AF035429.1 | 1 | 0.01% | 1 | 0.01% |
| 686 | wbsCR1 (WBSR1) | AF045555.1 | 1 | 0.01% | 1 | 0.01% |
| 687 | proteasome (prosome, macropain) subunit, alpha type, 3 (PSMA3) | NM_002788.1 | 1 | 0.01% | 1 | 0.01% |
| 688 | CLP (CLPP) | L54057.1 | 1 | 0.01% | 1 | 0.01% |
| 689 | platelet-activating factor acetylhydrolase, isoform 1b, alpha subunit (PAF) | 4557740 | 1 | 0.01% | 1 | 0.01% |
| 690 | P311 protein (P311), mRNA /cds=(202,408) /gb=Nm_004772 /gi=47588 | Hs.142827 | 1 | 0.01% | 1 | 0.01% |
| 691 | small EDRK-rich factor 1, long isoform (SERF1) (=btf2p44) | AF073519.1 | 1 | 0.01% | 1 | 0.01% |
| 692 | KIAA0592 (ORF) | AB011164 | 1 | 0.01% | 1 | 0.01% |
| 693 | lysophospholipase (LPL1) | AF081281 | 1 | 0.01% | 1 | 0.01% |
| 694 | KARP-1-binding protein 3 (=KIAA0470) | AB022659.1 | 1 | 0.01% | 1 | 0.01% |
| 695 | inducible 6-phosphofructo-2-kinase/fructose 2,6-bisphosphatase (IPFK-2) | AF056320 | 1 | 0.01% | 1 | 0.01% |
| 696 | reticulocalbin 1, EF-hand calcium binding domain (RCN1) | NM_002901.1 | 1 | 0.01% | 1 | 0.01% |
| 697 | NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 5 (16kD, SGD) | NM_002492.1 | 1 | 0.01% | 1 | 0.01% |
| 698 | major histocompatibility complex, class II, DR beta 1 (HLA-DRB1) | NM_002124.1 | 1 | 0.01% | 1 | 0.01% |
| 699 | nerve growth factor (HBNF-1)(= OSF-1)(= pleiotropin) | M57399.1 | 1 | 0.01% | 1 | 0.01% |
| 700 | ras-related C3 botulinum toxin substrate (rac) | M29870 | 1 | 0.01% | 1 | 0.01% |
| 701 | HSPC328 | AF161446.1 | 1 | 0.01% | 1 | 0.01% |
| 702 | Glutathione transferase omega (GSTO1) | AF212303.1 | 1 | 0.01% | 1 | 0.01% |
| 703 | NRAS-related gene (D1S155E) (=DKFZp586J0620) | NM_007158.1 | 1 | 0.01% | 1 | 0.01% |
| 704 | RAB13, member RAS oncogene family (RAB13) mRNA | NM_002870.1 | 1 | 0.01% | 1 | 0.01% |
| 705 | NADH dehydrogenase (ubiquinone) 1, subcomplex unknown, 1 (6kD, K) | NM_002494.1 | 1 | 0.01% | 1 | 0.01% |
| 706 | NADH dehydrogenase (ubiquinone) Fe-S protein 6 (13kD) (NADH-coenz | NM_004553.1 | 1 | 0.01% | 1 | 0.01% |
| 707 | Na,K-ATPase beta subunit (ATP1B) | M25160 | 1 | 0.01% | 1 | 0.01% |
| 708 | retinoblastoma-binding protein 7 (RBBP7) | NM_002893.1 | 1 | 0.01% | 1 | 0.01% |
| 709 | zinc finger protein 133 (clone pHZ-13) (ZNF133) | NM_003434.1 | 1 | 0.01% | 1 | 0.01% |
| 710 | retinoic acid suppression protein A (RSG-A) | AF038964.1 | 1 | 0.01% | 1 | 0.01% |
| 711 | latent transforming growth factor beta binding protein 2 (LTBP2) | NM_000428.1 | 1 | 0.01% | 1 | 0.01% |
| 712 | fer-1 (C. elegans)-like 3 (FER1L3) (=AF182317 myoferlin (MYOF)) | NM_013451.1 | 1 | 0.01% | 1 | 0.01% |
| 713 | telomeric repeat binding factor (TRF1) | U40705.1 | 1 | 0.01% | 1 | 0.01% |
| 714 | prefoldin 2 (PFDN2) | NM_012394.1 | 1 | 0.01% | 1 | 0.01% |
| 715 | ELK1 (ELK1) | AF080616 | 1 | 0.01% | 1 | 0.01% |
| 716 | HSPC162 protein (HSPC162) | NM_014183.1 | 1 | 0.01% | 1 | 0.01% |
| 717 | HSPC218 | AF151052.1 | 1 | 0.01% | 1 | 0.01% |
| 718 | HSPC337 | AF161455.1 | 1 | 0.01% | 1 | 0.01% |
| 719 | iduronate sulphate sulphotase (IDS) gene | L35485.1 | 1 | 0.01% | 1 | 0.01% |
| 720 | KIAA0081 | D42039 | 1 | 0.01% | 1 | 0.01% |
| 721 | KIAA0099 protein, partial cds | D43951.1 | 1 | 0.01% | 1 | 0.01% |
| 722 | KIAA0152 (cytotoxic T-cell membrane glycoprotein Ly-3 isolog) | NM_014730.1 | 1 | 0.01% | 1 | 0.01% |
| 723 | KIAA0188 | D80010 | 1 | 0.01% | 1 | 0.01% |
| 724 | KIAA0419 gene product (KIAA0419) | NM_014711.1 | 1 | 0.01% | 1 | 0.01% |
| 725 | KIAA0458 | AB007927.1 | 1 | 0.01% | 1 | 0.01% |

Figure 15 - Continued

| | | | | | | |
|-----|---|-------------|---|-------|---|-------|
| 726 | KIAA0484 | AB007953.1 | 1 | 0.01% | 1 | 0.01% |
| 727 | KIAA0696 protein | AB014596 | 1 | 0.01% | 1 | 0.01% |
| 728 | KIAA0851 gene | AJ297357.1 | 1 | 0.01% | 1 | 0.01% |
| 729 | KIAA1162 | AB032988.1 | 1 | 0.01% | 1 | 0.01% |
| 730 | channel-like integral membrane protein (AQP-1) | U41518.1 | 1 | 0.01% | 1 | 0.01% |
| 731 | citron (SLC25A13) | AF118838.1 | 1 | 0.01% | 1 | 0.01% |
| 732 | L3 pigment (L3) | AF189062.3 | 1 | 0.01% | 1 | 0.01% |
| 733 | ubiquinol-cytochrome c reductase, Rieske iron-sulfur polypeptide 1 (UQCRC1) | U51747.2 | 1 | 0.01% | 1 | 0.01% |
| 734 | matrix metalloproteinase (ADAMTS1) mRNA, complete cds | AF207664.1 | 1 | 0.01% | 1 | 0.01% |
| 735 | myocyte-specific enhancer factor 2A (MEF2A) | U49020 | 1 | 0.01% | 1 | 0.01% |
| 736 | retinoblastoma-binding protein 4 (RBBP4) = X74262 RbAp48 | NM_005610.1 | 1 | 0.01% | 1 | 0.01% |
| 737 | T-box transcription factor (Tbx15) | AF041822 | 1 | 0.01% | 1 | 0.01% |
| 738 | Y-linked zinc finger protein (ZFY) gene (=DKFZp434F2311) | AF114156.1 | 1 | 0.01% | 1 | 0.01% |
| 739 | polyadenylate binding protein (TIA-1) | M77142 | 1 | 0.01% | 1 | 0.01% |
| 740 | tetraspanin TM4-A | AF133423.1 | 1 | 0.01% | 1 | 0.01% |
| 741 | calponin 3, acidic (CNN3) | NM_001839.1 | 1 | 0.01% | 1 | 0.01% |
| 742 | nonmuscle myosin heavy chain (NMHC) | M31013 | 1 | 0.01% | 1 | 0.01% |
| 743 | glucocorticoid receptor (GRL) gene | U80947.1 | 1 | 0.01% | 1 | 0.01% |
| 744 | CDC-like kinase (CLK) | NM_004071.1 | 1 | 0.01% | 1 | 0.01% |
| 745 | tyrosylprotein sulfotransferase-1 (TPST1) | AF038009 | 1 | 0.01% | 1 | 0.01% |
| 746 | GTPase-activating protein ras p21 (RASA) | M23379 | 1 | 0.01% | 1 | 0.01% |
| 747 | CC chemokine gene cluster | AF088219.1 | 1 | 0.01% | 1 | 0.01% |
| 748 | ARP2 (actin-related protein 2, yeast) homolog (ACTR2) | NM_005722.1 | 1 | 0.01% | 1 | 0.01% |
| 749 | cdk inhibitor p21 binding protein (TOK-1), (ORF) = AB040450.1 | NM_016567.1 | 1 | 0.01% | 1 | 0.01% |
| 750 | KIAA0160 | D63881 | 1 | 0.01% | 1 | 0.01% |
| 751 | PRO0989 | AF116614 | 1 | 0.01% | 1 | 0.01% |
| 752 | transposon-like element | M23161 | 1 | 0.01% | 1 | 0.01% |
| 753 | WSB1 isoform 2 (WSB1) | AF240696.1 | 1 | 0.01% | 1 | 0.01% |
| 754 | UDP-N-acetyl-alpha-D-galactosamine:polypeptide | NM_004481.1 | 1 | 0.01% | 1 | 0.01% |
| 755 | Rab5 GDP/GTP exchange factor homologue (RABEX5) | NM_014504.1 | 1 | 0.01% | 1 | 0.01% |
| 756 | eukaryotic translation initiation factor 3, subunit 7 (zeta, 66/67kD) | NM_003753.1 | 1 | 0.01% | 1 | 0.01% |
| 757 | Id3 gene for HLH type transcription factor | X73428.1 | 1 | 0.01% | 1 | 0.01% |
| 758 | nuclear autoantigenic sperm protein (histone-binding) (NASP) | NM_002482.1 | 1 | 0.01% | 1 | 0.01% |
| 759 | APEX nuclease (multifunctional DNA repair enzyme) (RefSeq aa 4e-74) | NP_001632.1 | 1 | 0.01% | 1 | 0.01% |
| 760 | phosphoribosyl pyrophosphate synthetase-associated protein 1 (PRPSA1) | NM_002766.1 | 1 | 0.01% | 1 | 0.01% |
| 761 | low density lipoprotein-related protein 1 (alpha-2-macroglobulin receptor) | NM_002332.1 | 1 | 0.01% | 1 | 0.01% |
| 762 | poly(A)-binding protein, nuclear 1 (PABPN1) | gi4758875 | 1 | 0.01% | 1 | 0.01% |
| 763 | microfibrillar-associated protein 1 (MFAP1) | NM_005926.1 | 1 | 0.01% | 1 | 0.01% |
| 764 | lamin B receptor (LBR) | NM_002296.1 | 1 | 0.01% | 1 | 0.01% |
| 765 | guanine nucleotide binding protein 10 (GNG10) | NM_004125.1 | 1 | 0.01% | 1 | 0.01% |
| 766 | histone H2A.F/Z variant (H2AV) | AF081192 | 1 | 0.01% | 1 | 0.01% |
| 767 | adipose differentiation-related protein (ADFP) | XM_048266.2 | 1 | 0.01% | 1 | 0.01% |
| 768 | GL004 protein (RefSeq aa 2e-34) | NP_064579.1 | 1 | 0.01% | 1 | 0.01% |
| 769 | HDCMC29P | AF068295.1 | 1 | 0.01% | 1 | 0.01% |
| 770 | HSPC229 | AF151063.1 | 1 | 0.01% | 1 | 0.01% |
| 771 | KIAA0117 | D38491 | 1 | 0.01% | 1 | 0.01% |
| 772 | KIAA0324 | AB002322.2 | 1 | 0.01% | 1 | 0.01% |
| 773 | KIAA0447 | AB007916 | 1 | 0.01% | 1 | 0.01% |
| 774 | KIAA0470 | AB007939 | 1 | 0.01% | 1 | 0.01% |
| 775 | KIAA0488 | AB007957.1 | 1 | 0.01% | 1 | 0.01% |
| 776 | KIAA0770 | AB018313.1 | 1 | 0.01% | 1 | 0.01% |
| 777 | KIAA0772 gene | NM_014835.1 | 1 | 0.01% | 1 | 0.01% |

Figure 15 - Continued

| | | | | | | |
|-----|---|-------------|---|-------|---|-------|
| 778 | KIAA1190 | AB033016.1 | 1 | 0.01% | 1 | 0.01% |
| 779 | KIAA1404 | AB037825.1 | 1 | 0.01% | 1 | 0.01% |
| 780 | KIAA1507(=FLJ20654) | AB040940.1 | 1 | 0.01% | 1 | 0.01% |
| 781 | MCT-1 protein (MCT-1) | NM_014060.1 | 1 | 0.01% | 1 | 0.01% |
| 782 | microspherule protein 1 (MCRS1) | NM_006337.1 | 1 | 0.01% | 1 | 0.01% |
| 783 | neuroblastoma-amplified protein | AF056195 | 1 | 0.01% | 1 | 0.01% |
| 784 | NICE-5 protein =AF116721) PRO3094 | AJ243666 | 1 | 0.01% | 1 | 0.01% |
| 785 | non-ocogenic Rho GTPase-specific GTP exchange factor (proto-LBC) | AF127481.1 | 1 | 0.01% | 1 | 0.01% |
| 786 | PTPRF interacting protein, bindingprotein 1 (liprin beta 1) (RefSeq aa 2e | NP_003613.1 | 1 | 0.01% | 1 | 0.01% |
| 787 | testis specific protein | AF146738.1 | 1 | 0.01% | 1 | 0.01% |
| 788 | WRN (WRN) | AF181897.1 | 1 | 0.01% | 1 | 0.01% |
| 789 | sodium calcium exchanger 1 (NCX1) | U83657 | 1 | 0.01% | 1 | 0.01% |
| 790 | paraoxonase 2 (PON2) | NM_000305.1 | 1 | 0.01% | 1 | 0.01% |
| 791 | TP11 gene for triosephosphate isomerase | X69723.1 | 1 | 0.01% | 1 | 0.01% |
| 792 | adenylosuccinate lyase(ADSL) | NM_000026.1 | 1 | 0.01% | 1 | 0.01% |
| 793 | purine nucleoside phosphorylase | X00737 | 1 | 0.01% | 1 | 0.01% |
| 794 | enoyl-CoA hydratase/3-hydroxyacyl-CoA dehydrogenase alpha-subunit | D16480 | 1 | 0.01% | 1 | 0.01% |
| 795 | dolichyl-phosphate mannosyltransferase polypeptide 1, catalytic subunit | NM_003859.1 | 1 | 0.01% | 1 | 0.01% |
| 796 | leucine zipper, down-regulated in cancer 1 (LDOC1) | NM_012317.1 | 1 | 0.01% | 1 | 0.01% |
| 797 | ORNITHINE DECARBOXYLASE (ODC) | spP00860 | 1 | 0.01% | 1 | 0.01% |
| 798 | alpha-1-antitrypsin | K01396.1 | 1 | 0.01% | 1 | 0.01% |
| 799 | F-box protein 7 (FBX7) | NM_012179.1 | 1 | 0.01% | 1 | 0.01% |
| 800 | peroxisomal biogenesis factor 12 (PEX12) | NM_000286.1 | 1 | 0.01% | 1 | 0.01% |
| 801 | bithoraxoid-like protein (BLP)(= HSPC162 protein (HSPC162)) | AF165516.1 | 1 | 0.01% | 1 | 0.01% |
| 802 | glioma-amplified sequence-41 (GAS41) | NM_006530.1 | 1 | 0.01% | 1 | 0.01% |
| 803 | B cell RAG associated protein (BRAG) (=AB011170 hypothetical protein | AF026477 | 1 | 0.01% | 1 | 0.01% |
| 804 | jun D proto-oncogene (JUND) | NM_005354.1 | 1 | 0.01% | 1 | 0.01% |
| 805 | mel transforming oncogene (derived from cell line NK14)- RAB8 homolog | NM_005370.2 | 1 | 0.01% | 1 | 0.01% |
| 806 | nuclear factor of activated T-cells, cytoplasmic 4 (NFATC4) mRNA | NM_004554.1 | 1 | 0.01% | 1 | 0.01% |
| 807 | transcription factor ETR101 | M62831 | 1 | 0.01% | 1 | 0.01% |
| 808 | M5-14 protein (LOC51300) | NM_016589.1 | 1 | 0.01% | 1 | 0.01% |
| 809 | splicing factor arginine/serine-rich 7 (SFRS7) gene | L41887.1 | 1 | 0.01% | 1 | 0.01% |
| 810 | splicing factor similar to dnaJ (SPF31) | NM_014280.1 | 1 | 0.01% | 1 | 0.01% |
| 811 | splicing factor SRp30c gene | U87279.1 | 1 | 0.01% | 1 | 0.01% |
| 812 | U5 snRNP-associated 102 kDa protein | AF221842.1 | 1 | 0.01% | 1 | 0.01% |
| 813 | RNA polymerase I 40kD subunit | AF047441 | 1 | 0.01% | 1 | 0.01% |
| 814 | EBNA-2 co-activator (100kD) (p100) | NM_014390.1 | 1 | 0.01% | 1 | 0.01% |
| 815 | brain and reproductive organ-expressed (TNFRSF1A modulator) (BRE) | NM_004899.1 | 1 | 0.01% | 1 | 0.01% |
| 816 | ALEX3 protein (ALEX3) | NM_016607.1 | 1 | 0.01% | 1 | 0.01% |
| 817 | beta-subunit signal transducing proteins GS/GI (clone 24596) | AF070597 | 1 | 0.01% | 1 | 0.01% |
| 818 | carbonyl reductase 1 (CBR1) | NM_001757.1 | 1 | 0.01% | 1 | 0.01% |
| 819 | thioredoxin-like, 32kD (TXNL) | NM_004786.1 | 1 | 0.01% | 1 | 0.01% |
| 820 | clathrin heavy chain (=D21260 human hypothetical protein (KIAA0034)) | J03583 | 1 | 0.01% | 1 | 0.01% |
| 821 | sodium-dependent multivitamin transporter (SMVT) gene, partial cds | AF116241.1 | 1 | 0.01% | 1 | 0.01% |
| 822 | synaptic glycoprotein SC2 spliced variant | AF038958 | 1 | 0.01% | 1 | 0.01% |
| 823 | microtubule-associated protein 1a (MAP1A) | U38292.1 | 1 | 0.01% | 1 | 0.01% |
| 824 | platelet-derived growth factor A chain (PDGFA) (=X06374) | M83575 | 1 | 0.01% | 1 | 0.01% |
| 825 | v-jun avian sarcoma virus 17 oncogene homolog (JUN), (=c-jun proto on | NM_002228.2 | 1 | 0.01% | 1 | 0.01% |
| 826 | Rab9 effector p40 | Z97074 | 1 | 0.01% | 1 | 0.01% |
| 827 | Rho guanine nucleotide-exchange factor, splice variant NET1A | AJ010045.1 | 1 | 0.01% | 1 | 0.01% |
| 828 | p8 protein (candidate of metastasis 1) (P8) | NM_012385.1 | 1 | 0.01% | 1 | 0.01% |
| 829 | uncharacterized bone marrow protein BM042 (BM042) (=DKFZp761A11 | NM_018458.1 | 1 | 0.01% | 1 | 0.01% |

Figure 15 - Continued

| | | | | | | |
|-----|--|-------------|---|-------|---|-------|
| 830 | cullin 5 (CUL5) | NM_003478.1 | 1 | 0.01% | 1 | 0.01% |
| 831 | ADP-ribosylation factor 6 (ARF6) | NM_001663.2 | 1 | 0.01% | 1 | 0.01% |
| 832 | chloride channel nucleotide-sensitive, 1A (CLNS1A) | NM_001293.1 | 1 | 0.01% | 1 | 0.01% |
| 833 | JTV-1 (JTV-1) | U24169 | 1 | 0.01% | 1 | 0.01% |
| 834 | membrane protein-like protein | U21556 | 1 | 0.01% | 1 | 0.01% |
| 835 | integrin alpha-11 subunit precursor (ITGA11) | AF109681.1 | 1 | 0.01% | 1 | 0.01% |
| 836 | TRAF and TNF receptor associated protein (ttrap gene) | AJ269473.1 | 1 | 0.01% | 1 | 0.01% |
| 837 | chromodomain helicase DNA binding protein 4 (CHD4) | NM_001273.1 | 1 | 0.01% | 1 | 0.01% |
| 838 | Gu protein = PC6010 RNA helicase Gu | U41387.1 | 1 | 0.01% | 1 | 0.01% |
| 839 | camptothecin resistant clone CEM/C2 DNA topoisomerase I mRNA, part | U07806.1 | 1 | 0.01% | 1 | 0.01% |
| 840 | cdc14 homologue | AF000367 | 1 | 0.01% | 1 | 0.01% |
| 841 | G1 to S phase transition 1 (GSPT1) | XM_055673.1 | 1 | 0.01% | 1 | 0.01% |
| 842 | CASP8 associated protein 2 (RefSeq aa 2e-87) | NP_036247.1 | 1 | 0.01% | 1 | 0.01% |
| 843 | programmed cell death 6 (PDCD6) | NM_013232.1 | 1 | 0.01% | 1 | 0.01% |
| 844 | polymerase (DNA-directed) kappa (POLK), mRNA /cds=(172,2784) /gb= | Hs.135756 | 1 | 0.01% | 1 | 0.01% |
| 845 | replication protein A2 (32kD)(RPA2) | NM_002946.1 | 1 | 0.01% | 1 | 0.01% |
| 846 | tumor necrosis factor receptor | M58286 | 1 | 0.01% | 1 | 0.01% |
| 847 | tumor suppressor protein (101F6), putative | AF040704 | 1 | 0.01% | 1 | 0.01% |
| 848 | integral type I protein | NM_007364.1 | 1 | 0.01% | 1 | 0.01% |
| 849 | musculus DnaJ-like protein 1 (Dnajl1) | NM_007869.1 | 1 | 0.01% | 1 | 0.01% |
| 850 | BRI3 | AF272043.1 | 1 | 0.01% | 1 | 0.01% |
| 851 | novel protein (HSNOV1) | XM_017365.2 | 1 | 0.01% | 1 | 0.01% |
| 852 | basic leucine zipper nuclear factor 1 (JEM-1) (BLZF1) | NM_003666.1 | 1 | 0.01% | 1 | 0.01% |
| 853 | glycine cleavage system protein H (aminomethyl carrier) (RefSeq aa 2e- | NP_004474.1 | 1 | 0.01% | 1 | 0.01% |
| 854 | mitochondrial isoleucine tRNA synthetase, Length = 3387 | D28500.1 | 1 | 0.01% | 1 | 0.01% |
| 855 | LENG5 protein (LENG5), mRNA | NM_024075.1 | 1 | 0.01% | 1 | 0.01% |

Figure 16 - Relative Est Frequency of Unique Known Genes Common to Mild and Severe cDNA Libraries

| Total ESTs from each library | | 12651 | | 14222 | |
|---|---------------|---------|-------|-----------|-------|
| Gene Name | Accession # | Mild OA | | Severe OA | |
| 1 alpha gene sequence (=HSP90) | AF203815.1 | 580 | 4.58% | 408 | 2.87% |
| 2 fibronectin (FN) | X02761.1 | 198 | 1.57% | 379 | 2.66% |
| 3 collagen type III alpha 1 (COL3A1) | X06700 | 95 | 0.75% | 337 | 2.37% |
| 4 beta-2 microglobulin gene (B2M) | gbJAF072097.1 | 200 | 1.58% | 196 | 1.38% |
| 5 mitochondrial genome (consensus sequence) | X62996 | 291 | 2.30% | 194 | 1.36% |
| 6 lumican (LUM) | NM_002345.1 | 116 | 0.92% | 182 | 1.28% |
| 7 collagen type I alpha 2 (COL1A2) | NM_000089.1 | 32 | 0.25% | 176 | 1.24% |
| 8 thymosin beta-4 (TMSB4X) | M17733 | 95 | 0.75% | 156 | 1.10% |
| 9 decorin (DCN) | NM_001920.1 | 234 | 1.85% | 154 | 1.08% |
| 10 osteoblast specific factor 2 (OSF-2os) | D13666.1 | 1 | 0.01% | 123 | 0.86% |
| 11 vimentin gene (VIM) | Z19554 | 46 | 0.36% | 102 | 0.72% |
| 12 mitochondrion, complete genome (=AF382012.1 haplotype M*1 mitoch | NC_001807.2 | 114 | 0.90% | 92 | 0.65% |
| 13 elongation factor 1 alpha 1 (EEF1A1) | NM_001402.1 | 36 | 0.28% | 89 | 0.63% |
| 14 matrix Gla protein (MGP) | X53331 | 97 | 0.77% | 80 | 0.56% |
| 15 ribosomal protein S27 (=metalloproteinase 1 MPS1) | NM_001030.1 | 36 | 0.28% | 70 | 0.49% |
| 16 serine protease=HTRA serine protease (PRSS11)=AF157623.1 | Y07921 | 32 | 0.25% | 57 | 0.40% |
| 17 ribosomal protein L7 | X52967 | 63 | 0.50% | 54 | 0.38% |
| 18 proteoglycan 4 (=megakaryocyte stimulating factor) | AAB09089.1 | 287 | 2.27% | 51 | 0.36% |
| 19 scrapie responsive protein 1 (SCRG1) | NM_007281.1 | 56 | 0.44% | 50 | 0.35% |
| 20 transforming growth factor beta-induced, 68kD (TGFB1) | NM_000358.1 | 3 | 0.02% | 47 | 0.33% |
| 21 calmodulin 1 (phosphorylase kinase, delta) (CALM1) | NM_006888.1 | 31 | 0.25% | 46 | 0.32% |
| 22 NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 4 (9kD, MLR | NM_002489.1 | 14 | 0.11% | 46 | 0.32% |
| 23 cytochrome c oxidase subunit VIc (COX6C) | NM_004374.1 | 22 | 0.17% | 44 | 0.31% |
| 24 Ribosomal protein S20 (RPS20) | NM_001023.1 | 23 | 0.18% | 42 | 0.30% |
| 25 osteonectin gene (SPARC) secreted protein, acidic, cysteine-rich | M25746.1 | 15 | 0.12% | 42 | 0.30% |
| 26 tumor protein translationally-controlled 1 (TPT1) | NM_003295.1 | 26 | 0.21% | 37 | 0.26% |
| 27 hexabrachion (tenascin C, cytactin) (HXB) | NM_002160.1 | 7 | 0.06% | 37 | 0.26% |
| 28 ribosomal protein L34 (RPL34) | NM_000995.1 | 22 | 0.17% | 36 | 0.25% |
| 29 thioredoxin (TXN) | J04026 | 22 | 0.17% | 36 | 0.25% |
| 30 asporin (ASPN) (LRR class 1) | NM_017680.1 | 24 | 0.19% | 35 | 0.25% |
| 31 annexin A2 (ANXA2)(lipocortin II) | NM_004039.1 | 7 | 0.06% | 34 | 0.24% |
| 32 transmembrane protein BRI | AF246221.1 | 37 | 0.29% | 33 | 0.23% |
| 33 ferritin heavy chain | L20941.1 | 7 | 0.06% | 33 | 0.23% |
| 34 ribosomal protein S25 (RPS25) | NM_001028.1 | 17 | 0.13% | 32 | 0.23% |
| 35 connective tissue growth factor (CTGF) | U14750 | 44 | 0.35% | 31 | 0.22% |
| 36 ribosomal protein L9 | U09953 | 12 | 0.09% | 30 | 0.21% |
| 37 small nuclear ribonucleoprotein polypeptide G (SNRPG) | X85373 | 7 | 0.06% | 29 | 0.20% |
| 38 ribosomal protein S3a | M77234 | 18 | 0.14% | 28 | 0.20% |
| 39 translationally controlled tumor protein (TCTP) | X16064 | 17 | 0.13% | 28 | 0.20% |
| 40 RIBOSOMAL PROTEIN L17 | spP18621 | 10 | 0.08% | 27 | 0.19% |
| 41 ribosomal protein L21 | U14967.1 | 14 | 0.11% | 26 | 0.18% |
| 42 ribosomal protein L31 | NM_000993.1 | 13 | 0.10% | 25 | 0.18% |
| 43 mimecan (OGN) (OIF) | AF202167.1 | 19 | 0.15% | 24 | 0.17% |
| 44 annexin I (lipocortin I) (ANX1) =X05908 (ORF) | NM_000700.1 | 11 | 0.09% | 24 | 0.17% |
| 45 putative p150 | AAC51271.1 | 20 | 0.16% | 22 | 0.15% |
| 46 deleted in split hand/split foot 1 (DSS1) | U41515 | 11 | 0.09% | 22 | 0.15% |
| 47 mitochondrial ATPase coupling factor 6 subunit (ATP5A) | M37104 | 6 | 0.05% | 22 | 0.15% |
| 48 collagen type VI alpha 3 (COL6A3) | NM_004369.1 | 5 | 0.04% | 22 | 0.15% |
| 49 ribosomal protein S13 | NM_001017.1 | 8 | 0.06% | 21 | 0.15% |

Figure 16 - Continued

| | | | | | | |
|-----|---|-------------|----|-------|----|-------|
| 50 | ribosomal RNA 18S | X03205 | 24 | 0.19% | 20 | 0.14% |
| 51 | ribosomal protein L41 | AF026844.1 | 14 | 0.11% | 20 | 0.14% |
| 52 | cytochrome c oxidase subunit VIIb | Z14244 | 12 | 0.09% | 20 | 0.14% |
| 53 | ribosomal protein S11 (RPS11) | NM_001015.1 | 11 | 0.09% | 19 | 0.13% |
| 54 | ribosomal protein L27 (RPL27) | NM_000988.1 | 7 | 0.06% | 19 | 0.13% |
| 55 | vitamin A responsive cytoskeleton related (JWA) | NM_006407.2 | 18 | 0.14% | 18 | 0.13% |
| 56 | nascent-polypeptide-associated complex alpha polypeptide (NACA) | NM_005594.1 | 13 | 0.10% | 18 | 0.13% |
| 57 | HSPC036 protein (=AF077200.1 HSPC014) | AF125097.1 | 8 | 0.06% | 18 | 0.13% |
| 58 | CGI-134 protein (LOC51023) | NM_016067.1 | 4 | 0.03% | 18 | 0.13% |
| 59 | ribosomal protein S6 | M20020 | 13 | 0.10% | 17 | 0.12% |
| 60 | ribosomal protein S29 | L31610.1 | 8 | 0.06% | 17 | 0.12% |
| 61 | androgen receptor associated protein 24 (ARA24) (=AF054183 GTP bi | AF052578 | 7 | 0.06% | 17 | 0.12% |
| 62 | eukaryotic translation initiation factor 4 gamma, 2 (EIF4G2) | NM_001418.1 | 4 | 0.03% | 17 | 0.12% |
| 63 | Sec61 gamma | AF054184 | 3 | 0.02% | 17 | 0.12% |
| 64 | ribosomal protein L37 | L11567 | 6 | 0.05% | 16 | 0.11% |
| 65 | integrin beta 1 subunit | X07979.1 | 6 | 0.05% | 16 | 0.11% |
| 66 | myosin regulatory light chain | X54304 | 4 | 0.03% | 16 | 0.11% |
| 67 | gap junction protein, alpha 1, 43kD (connexin 43) (GJA1) | NM_000165.2 | 1 | 0.01% | 16 | 0.11% |
| 68 | ribosomal DNA complete repeating unit | U13369.1 | 28 | 0.22% | 15 | 0.11% |
| 69 | tumor rejection antigen (gp96) 1 (TRA1) | X15187 | 19 | 0.15% | 15 | 0.11% |
| 70 | lysosome-associated protein, transmembrane - 4alpha (=D14696.1 Hun | U34259.1 | 10 | 0.08% | 15 | 0.11% |
| 71 | cytochrome c oxidase, liver specific (EC 1.9.3.1.) | X15822 | 10 | 0.08% | 15 | 0.11% |
| 72 | prothymosin alpha | M14630 | 9 | 0.07% | 15 | 0.11% |
| 73 | F1-ATPase epsilon-subunit (ATP5E) | AF052955.1 | 7 | 0.06% | 15 | 0.11% |
| 74 | cartilage intermediate layer protein, CILP | AB022430.1 | 17 | 0.13% | 14 | 0.10% |
| 75 | ribosomal protein L6 | X69391 | 11 | 0.09% | 14 | 0.10% |
| 76 | S100 calcium-binding protein A4 (calcium protein, calvasculin, metastas | gi4506764 | 11 | 0.09% | 14 | 0.10% |
| 77 | ribosomal protein L38 | Z26876 | 7 | 0.06% | 14 | 0.10% |
| 78 | ribosomal protein L35a | NM_000996.1 | 3 | 0.02% | 14 | 0.10% |
| 79 | H4 histone family, member G (H4FG) | NM_003542.2 | 3 | 0.02% | 14 | 0.10% |
| 80 | KIAA0005 | D13630 | 19 | 0.15% | 13 | 0.09% |
| 81 | ribosomal protein L26 | X69392 | 11 | 0.09% | 13 | 0.09% |
| 82 | ribosomal protein S24 | M31520 | 10 | 0.08% | 13 | 0.09% |
| 83 | ribosomal protein L44 (RPL44) | NM_001001.1 | 10 | 0.08% | 13 | 0.09% |
| 84 | collagen lysyl hydroxylase isoform 2 (PLOD2) | U84573 | 8 | 0.06% | 13 | 0.09% |
| 85 | RIBOSOMAL PROTEIN L10 (QM PROTEIN) (TUMOR SUPPRESSOR | spP27635 | 6 | 0.05% | 13 | 0.09% |
| 86 | ribosomal protein L30 | L05095.1 | 6 | 0.05% | 13 | 0.09% |
| 87 | hH3.3B gene for histone H3.3 | Z48950.1 | 6 | 0.05% | 13 | 0.09% |
| 88 | ribosomal protein L39 | D79205 | 4 | 0.03% | 13 | 0.09% |
| 89 | calpactin 1 light chain | M81457 | 3 | 0.02% | 13 | 0.09% |
| 90 | ribosomal protein L23a | U43701 | 13 | 0.10% | 12 | 0.08% |
| 91 | Ribosomal protein L36 (=RPL44) | AF077043.1 | 10 | 0.08% | 12 | 0.08% |
| 92 | cysteine dioxygenase | D85777 | 10 | 0.08% | 12 | 0.08% |
| 93 | ribosomal protein L13 | AF112214 | 6 | 0.05% | 12 | 0.08% |
| 94 | endozepine (putative ligand of benzodiazepine receptor) | M15887.1 | 6 | 0.05% | 12 | 0.08% |
| 95 | Ribosomal protein L4 | NM_000968.1 | 4 | 0.03% | 12 | 0.08% |
| 96 | heparan sulfate proteoglycan (HSPG) (OCI5) | J04621.1 | 4 | 0.03% | 12 | 0.08% |
| 97 | pp21 homolog | AF125535.1 | 4 | 0.03% | 12 | 0.08% |
| 98 | ribosomal protein S8 (RPS8) | NM_001012.1 | 3 | 0.02% | 12 | 0.08% |
| 99 | calmodulin 2 (phosphorylase kinase, delta) (CALM2) | NM_001743.1 | 25 | 0.20% | 11 | 0.08% |
| 100 | fibromodulin (FMOD) | NM_002023.2 | 19 | 0.15% | 11 | 0.08% |
| 101 | caveolin 1 (CAV1) | AF125348.1 | 11 | 0.09% | 11 | 0.08% |

Figure 16 - Continued

| | | | | | | |
|-----|---|-------------|----|-------|----|-------|
| 102 | ribosomal protein L37a | L22154 | 8 | 0.06% | 11 | 0.08% |
| 103 | ribosomal protein, large, P0 (RPLP0) | NM_001002.1 | 6 | 0.05% | 11 | 0.08% |
| 104 | osteomodulin (OMD) | AB000114 | 6 | 0.05% | 11 | 0.08% |
| 105 | lactate dehydrogenase A (LDHA) | NM_005566.1 | 5 | 0.04% | 11 | 0.08% |
| 106 | dynein light chain 1 (hdlc1), cytoplasmic | U32944 | 4 | 0.03% | 11 | 0.08% |
| 107 | fibrillin (FBN1) | X63556 | 3 | 0.02% | 11 | 0.08% |
| 108 | caldesmon | M64110 | 3 | 0.02% | 11 | 0.08% |
| 109 | PRO2003 | AF116679.1 | 2 | 0.02% | 11 | 0.08% |
| 110 | ribosomal protein S7 | M77233 | 2 | 0.02% | 11 | 0.08% |
| 111 | ring-box 1 (RBX1) | NM_014248.1 | 2 | 0.02% | 11 | 0.08% |
| 112 | HSPC005 (=C11orf10) | AF070661 | 1 | 0.01% | 11 | 0.08% |
| 113 | H factor 1 (complement) (HF1) | NM_000186.1 | 17 | 0.13% | 10 | 0.07% |
| 114 | high mobility group-1 protein (HMG-1) | X12597 | 12 | 0.09% | 10 | 0.07% |
| 115 | spermidine/spermine N1-acetyltransferase | Z14136 | 10 | 0.08% | 10 | 0.07% |
| 116 | ribosomal protein L7a (surf 3) large subunit | M36072 | 8 | 0.06% | 10 | 0.07% |
| 117 | ribosomal protein L3 (RPL3) | NM_000967.1 | 7 | 0.06% | 10 | 0.07% |
| 118 | transcription elongation factor B (SIII), polypeptide 1-like (TCEB1L) | NM_003197.2 | 7 | 0.06% | 10 | 0.07% |
| 119 | 78 kD glucose-regulated protein (GRP78) gene (=BiP protein) | M19645.1 | 6 | 0.05% | 10 | 0.07% |
| 120 | RNA polymerase II elongation factor-like protein | Z47087 | 5 | 0.04% | 10 | 0.07% |
| 121 | prefoldin 5 (PFDN5) (=D89667 c-myc binding protein) | NP_002615.1 | 4 | 0.03% | 10 | 0.07% |
| 122 | ribosomal protein L12 | L06505 | 3 | 0.02% | 10 | 0.07% |
| 123 | S100 calcium-binding protein A10 (annexin II ligand, calpactin I, light p | NM_002966.1 | 3 | 0.02% | 10 | 0.07% |
| 124 | heat shock factor binding protein 1 (HSBP1) | NM_001537.1 | 2 | 0.02% | 10 | 0.07% |
| 125 | CD9 antigen (p24/CD9) | L08125 | 10 | 0.08% | 9 | 0.06% |
| 126 | eukaryotic translation initiation factor 3 (EIF3S6) (=INT6) | NM_001568.1 | 8 | 0.06% | 9 | 0.06% |
| 127 | COX17 (yeast) homolog, cytochrome c oxidase assembly protein (COX | NM_005694.1 | 8 | 0.06% | 9 | 0.06% |
| 128 | osteoclastogenesis inhibitory factor | AB008822 | 8 | 0.06% | 9 | 0.06% |
| 129 | clusterin (CLU) SP40,40 (=M63379 TRPM-2 protein) | NM_001831.1 | 7 | 0.06% | 9 | 0.06% |
| 130 | epithelial membrane protein 1 (EMP1) | NM_001423.1 | 6 | 0.05% | 9 | 0.06% |
| 131 | BiP protein | X87949 | 6 | 0.05% | 9 | 0.06% |
| 132 | ATP synthase, H transporting, mitochondrial F0 complex, subunit e (Re | NP_009031.1 | 4 | 0.03% | 9 | 0.06% |
| 133 | tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation pr | NM_003404.1 | 4 | 0.03% | 9 | 0.06% |
| 134 | ribosomal protein L19 | X63527 | 3 | 0.02% | 9 | 0.06% |
| 135 | matrilin-3 (MATR3) | Y13341 | 3 | 0.02% | 9 | 0.06% |
| 136 | Tubulin alpha isoform 1 | AF081484 | 2 | 0.02% | 9 | 0.06% |
| 137 | cytochrome c oxidase subunit VIIa (COX7A) muscle isoform | M83186 | 2 | 0.02% | 9 | 0.06% |
| 138 | ribosomal protein L23 | NM_000978.1 | 1 | 0.01% | 9 | 0.06% |
| 139 | poly(A)-binding protein (PABP) | U68105 | 1 | 0.01% | 9 | 0.06% |
| 140 | ribosomal protein S4, X-linked (RPS4X) | NM_001007.1 | 12 | 0.09% | 8 | 0.06% |
| 141 | TSC-22 protein | U35048 | 12 | 0.09% | 8 | 0.06% |
| 142 | HSPC312 (ORF) = AF161428.1 (=HSPC310) | AF161430 | 10 | 0.08% | 8 | 0.06% |
| 143 | collagen type XI alpha 1 (COL11A1) | NM_001854.1 | 7 | 0.06% | 8 | 0.06% |
| 144 | defender against cell death 1 (DAD1) | NM_001344.1 | 5 | 0.04% | 8 | 0.06% |
| 145 | neuroendocrine-specific protein C like (foocen) (NSP-CL) reticulon 4 (f | NM_007008.1 | 5 | 0.04% | 8 | 0.06% |
| 146 | calcyclin (=M14300 growth factor-inducible 2A9 gene; U04815 protein | J02763 | 4 | 0.03% | 8 | 0.06% |
| 147 | solute carrier family 25 (mitochondrial carrier; phosphate carrier), mem | NM_005888.1 | 4 | 0.03% | 8 | 0.06% |
| 148 | myosin, light polypeptide, regulatory, non-sarcomeric (20kD) (MLCB), r | Hs.233936 | 4 | 0.03% | 8 | 0.06% |
| 149 | tomoregulin | AB004064.1 | 4 | 0.03% | 8 | 0.06% |
| 150 | NADH dehydrogenase | X81900 | 3 | 0.02% | 8 | 0.06% |
| 151 | ATP synthase epsilon chain | AF077045.1 | 3 | 0.02% | 8 | 0.06% |
| 152 | collagen type V alpha 2 (COL5A2) | M11718 | 2 | 0.02% | 8 | 0.06% |
| 153 | TGF-beta1R alpha | D50683 | 2 | 0.02% | 8 | 0.06% |

Figure 16 - Continued

| | | | | | | |
|-----|--|-------------|----|-------|---|-------|
| 154 | thrombospondin 2 (THBS2) | L12350 | 1 | 0.01% | 8 | 0.06% |
| 155 | ribosomal protein L11 | L05092.1 | 16 | 0.13% | 7 | 0.05% |
| 156 | LINE-1 REVERSE TRANSCRIPTASE HOMOLOG (=putative p150) | spP08547 | 14 | 0.11% | 7 | 0.05% |
| 157 | ribosomal protein L5 | U76609 | 10 | 0.08% | 7 | 0.05% |
| 158 | mitochondrial ubiquinone-binding protein | M26700 | 10 | 0.08% | 7 | 0.05% |
| 159 | HSPC310 (=HSPC312) | AF161428.1 | 8 | 0.06% | 7 | 0.05% |
| 160 | ATP synthase, H transporting, mitochondrial F1F0, subunit g (ATP5JG) | NM_006476.1 | 7 | 0.06% | 7 | 0.05% |
| 161 | cytochrome c oxidase subunit VIIc (COX7C) | NM_001867.1 | 7 | 0.06% | 7 | 0.05% |
| 162 | epididymal seCRetory protein (19.5kD) (HE1) | gi5453677 | 6 | 0.05% | 7 | 0.05% |
| 163 | ribosomal protein S17 | M13932 | 5 | 0.04% | 7 | 0.05% |
| 164 | cytochrome b (ORF) | U09500 | 5 | 0.04% | 7 | 0.05% |
| 165 | UMP-CMP kinase | AF110643.1 | 5 | 0.04% | 7 | 0.05% |
| 166 | nucleolar phosphoprotein B23 (NPM1) | M28699 | 4 | 0.03% | 7 | 0.05% |
| 167 | cartilage-derived C-type lectin (CLECSF1) | AF077345 | 4 | 0.03% | 7 | 0.05% |
| 168 | histone H3.3 | Z48950 | 4 | 0.03% | 7 | 0.05% |
| 169 | ATP synthase, H transporting, mitochondrial F0 complex, subunit g (A) | Hs.107476 | 4 | 0.03% | 7 | 0.05% |
| 170 | MORF-related gene X (KIAA0026) (=MRG15) | NM_012286.1 | 4 | 0.03% | 7 | 0.05% |
| 171 | ATP synthase, H transporting, mitochondrial F1 complex, gamma poly | NM_005174.1 | 4 | 0.03% | 7 | 0.05% |
| 172 | ATP synthase, H transporting, mitochondrial F1 complex, alpha subun | NM_004046.1 | 4 | 0.03% | 7 | 0.05% |
| 173 | HSPC163 | AF161512 | 4 | 0.03% | 7 | 0.05% |
| 174 | actin, gamma 1 (ACTG1) | NM_001614.1 | 3 | 0.02% | 7 | 0.05% |
| 175 | ribosomal protein L22 (RPL22) | NM_000983.1 | 3 | 0.02% | 7 | 0.05% |
| 176 | muscleblind (Drosophila)-like (MBNL) (=KIAA0428) | NM_021038.1 | 3 | 0.02% | 7 | 0.05% |
| 177 | ADP-ribosylation factor 4 (ARF4) | AF104238.1 | 3 | 0.02% | 7 | 0.05% |
| 178 | vacuolar sorting protein VPS29/PEP11 (LOC51699) | NM_016226.1 | 3 | 0.02% | 7 | 0.05% |
| 179 | palladin (KIAA0992)= CGI-151 | NM_016081.1 | 2 | 0.02% | 7 | 0.05% |
| 180 | vacuolar H-ATPase subunit | AF038954 | 2 | 0.02% | 7 | 0.05% |
| 181 | calnexin (CANX) integral membrane protein, calnexin, (IP90) | M94859 | 2 | 0.02% | 7 | 0.05% |
| 182 | annexin A5 (ANXA5)(lipocortin-V) | NM_001154.2 | 1 | 0.01% | 7 | 0.05% |
| 183 | phosphoglycerate mutase (PGAM-B) | J04173 | 1 | 0.01% | 7 | 0.05% |
| 184 | tissue inhibitor of metalloproteinase 3 (Sorsby fundus dystrophy, pseud | NM_000362.1 | 15 | 0.12% | 6 | 0.04% |
| 185 | reverse transCRiptase | D84391 | 12 | 0.09% | 6 | 0.04% |
| 186 | decay-accelerating factor | M31516 | 7 | 0.06% | 6 | 0.04% |
| 187 | ribosomal protein L32 (RPL32) | NM_000994.1 | 6 | 0.05% | 6 | 0.04% |
| 188 | PRO1574 (mitochondrial proteolipid 68MP homolog (PLPM)) | AF116639.1 | 5 | 0.04% | 6 | 0.04% |
| 189 | heterogeneous nuclear ribonucleoprotein D-like (HNRPDL) | NM_005463.1 | 5 | 0.04% | 6 | 0.04% |
| 190 | heterogeneous nuclear ribonucleoprotein D (hnRNP D) (52% aa) | D55671 | 5 | 0.04% | 6 | 0.04% |
| 191 | phospholipase A2 | M86400 | 5 | 0.04% | 6 | 0.04% |
| 192 | procollagen-lysine, 2-oxoglutarate 5-dioxygenase (lysine hydroxylase) | Hs.41270 | 4 | 0.03% | 6 | 0.04% |
| 193 | Cu/Zn superoxide dismutase (SOD) | X02317 | 4 | 0.03% | 6 | 0.04% |
| 194 | ribosomal protein S12 | X53505 | 3 | 0.02% | 6 | 0.04% |
| 195 | ribosomal protein S23 (RPS23) =D14530 (ORF) | NM_001025.1 | 3 | 0.02% | 6 | 0.04% |
| 196 | cathepsin K (pseudodysostosis)(CTSK) | NM_000396.1 | 3 | 0.02% | 6 | 0.04% |
| 197 | p40 | AAC51266.1 | 3 | 0.02% | 6 | 0.04% |
| 198 | integrin, beta 1(fibronectin receptor, beta polypeptide, antigen CD29 in | NM_002211.1 | 3 | 0.02% | 6 | 0.04% |
| 199 | 15 kDa selenoprotein (SEP15) | AF051894 | 3 | 0.02% | 6 | 0.04% |
| 200 | Fn54 | AF001533.2 | 3 | 0.02% | 6 | 0.04% |
| 201 | ribosomal protein S15a | X84407 | 2 | 0.02% | 6 | 0.04% |
| 202 | T-cell cyclophilin | Y00052 | 2 | 0.02% | 6 | 0.04% |
| 203 | FK506 binding protein (Fkbp63) | AF090334 | 2 | 0.02% | 6 | 0.04% |
| 204 | ATPase, H transporting, lysosomal (vacuolar proton pump) 9kD (ATP6 | NM_003945.1 | 2 | 0.02% | 6 | 0.04% |
| 205 | calumein (Calu) (calumenin) | AF013759 | 2 | 0.02% | 6 | 0.04% |

Figure 16 - Continued

| | | | | | | |
|-----|---|-------------|----|-------|---|-------|
| 206 | cell division cycle 10 (homologous to CDC10 of <i>S. cerevisiae</i>) (CDC10) | NM_001788.1 | 2 | 0.02% | 6 | 0.04% |
| 207 | cig19 (=D31887.1 KIAA0062) | AF026940.1 | 2 | 0.02% | 6 | 0.04% |
| 208 | phosphoglycerate kinase 1 (PGK1) (ORF) | NM_000291.1 | 2 | 0.02% | 6 | 0.04% |
| 209 | nuclease sensitive element binding protein 1 (NSEP1) = L28809.1 dbp | NM_004559.1 | 2 | 0.02% | 6 | 0.04% |
| 210 | cathepsin B (CTSB) | L22569 | 2 | 0.02% | 6 | 0.04% |
| 211 | CGI-110 protein | AF151868.1 | 2 | 0.02% | 6 | 0.04% |
| 212 | HS1 protein (=YWHAQ) | X57347 | 2 | 0.02% | 6 | 0.04% |
| 213 | cell cycle progression 8 protein (CPR8)(ORF)=AF011794 | NM_004748.1 | 2 | 0.02% | 6 | 0.04% |
| 214 | inositol polyphosphate 1-phosphatase gene (INPP1) (low match) | AF141324.1 | 2 | 0.02% | 6 | 0.04% |
| 215 | ribosomal protein L24 (RPL24) (=ribosomal protein L30) | NM_000986.1 | 1 | 0.01% | 6 | 0.04% |
| 216 | cyclin | M74091 | 1 | 0.01% | 6 | 0.04% |
| 217 | NADH dehydrogenase subunit 2 (ND2) | AF014897.2 | 1 | 0.01% | 6 | 0.04% |
| 218 | Down syndrome candidate region 1 (DSCR1) | NM_004414.2 | 1 | 0.01% | 6 | 0.04% |
| 219 | NAP (nucleosome assembly protein) | M86667 | 1 | 0.01% | 6 | 0.04% |
| 220 | MRG15 protein (MRG15) | AF100615.1 | 1 | 0.01% | 6 | 0.04% |
| 221 | PRO2853 | AF119905.1 | 10 | 0.08% | 5 | 0.04% |
| 222 | RIBOSOMAL PROTEIN L10A (CSA-19)(RPL10A) | P53025 | 7 | 0.06% | 5 | 0.04% |
| 223 | peptidylglycine alpha-amidating monooxygenase (PAM) | M37721 | 7 | 0.06% | 5 | 0.04% |
| 224 | selenoprotein P (SEPP1) | Z11793 | 5 | 0.04% | 5 | 0.04% |
| 225 | insulin-like growth factor binding protein 7 (IGFBP7) | 4504618 | 5 | 0.04% | 5 | 0.04% |
| 226 | growth arrest-specific 1 (GAS1) | NM_002048.1 | 5 | 0.04% | 5 | 0.04% |
| 227 | extracellular matrix protein | AB011792 | 5 | 0.04% | 5 | 0.04% |
| 228 | SOD-2 manganese superoxide dismutase | X65965 | 4 | 0.03% | 5 | 0.04% |
| 229 | miCRosomal signal peptidase | AF061737 | 4 | 0.03% | 5 | 0.04% |
| 230 | transmembrane glycoprotein (GPNMB) | X76534 | 4 | 0.03% | 5 | 0.04% |
| 231 | transcription elongation factor A (SII), 1 (TCEA1) | NM_006756.1 | 4 | 0.03% | 5 | 0.04% |
| 232 | HSPC297 (=HSPC030) | AF161415.1 | 4 | 0.03% | 5 | 0.04% |
| 233 | cyclin I | D50310 | 3 | 0.02% | 5 | 0.04% |
| 234 | mitochondrial proteolipid 68MP homolog (PLPM) | NM_004894.1 | 3 | 0.02% | 5 | 0.04% |
| 235 | hepatitis B virus X interacting protein (XIP) | AF029890 | 3 | 0.02% | 5 | 0.04% |
| 236 | activated RNA polymerase (PC4) | NM_006713.1 | 3 | 0.02% | 5 | 0.04% |
| 237 | myosin light chain 3 non-muscle (MLC3nm) | M31212 | 3 | 0.02% | 5 | 0.04% |
| 238 | heat shock protein 86 (HSP86) | M30626.1 | 3 | 0.02% | 5 | 0.04% |
| 239 | PTD014 | AF092135.1 | 3 | 0.02% | 5 | 0.04% |
| 240 | polyubiquitin | E12605 | 2 | 0.02% | 5 | 0.04% |
| 241 | B-cell translocation protein 1 (BTG1) | X61123 | 2 | 0.02% | 5 | 0.04% |
| 242 | small nuclear ribonucleoprotein D2 polypeptide (16.5kD) (SNRPD2) | NM_004597.3 | 2 | 0.02% | 5 | 0.04% |
| 243 | pre-mRNA splicing factor (SFRS3) | AF107405.1 | 2 | 0.02% | 5 | 0.04% |
| 244 | cytochrome c oxidase subunit VIIa polypeptide 2 like (COX7A2L) | NM_004718.1 | 2 | 0.02% | 5 | 0.04% |
| 245 | FRG1 | L76159 | 2 | 0.02% | 5 | 0.04% |
| 246 | ribosomal protein S16 | M60854 | 1 | 0.01% | 5 | 0.04% |
| 247 | NADH dehydrogenase subunit 4L (RefSeq aa 2e-45) | gi5835396 | 1 | 0.01% | 5 | 0.04% |
| 248 | mannosidase, beta A, lysosomal (MANBA) gene, and ubiquitin-conjugate | AF224669.1 | 1 | 0.01% | 5 | 0.04% |
| 249 | CD164 antigen, sialomucin (CD164) | NM_006016.1 | 1 | 0.01% | 5 | 0.04% |
| 250 | ganglioside expression factor 2 (GEF-2) | NM_007285.1 | 1 | 0.01% | 5 | 0.04% |
| 251 | factor H homologue | M65294.1 | 1 | 0.01% | 5 | 0.04% |
| 252 | dihydropyrimidinase-like 3 (DPYSL3) | NM_001387.1 | 1 | 0.01% | 5 | 0.04% |
| 253 | stromal cell derived factor receptor 1 (SDFR1) | NM_012428.1 | 1 | 0.01% | 5 | 0.04% |
| 254 | Pcp-2=Putkinje cell protein 2 | S40022 | 1 | 0.01% | 5 | 0.04% |
| 255 | IGSF4 gene | AB017563.1 | 1 | 0.01% | 5 | 0.04% |
| 256 | collagen type II alpha 1 (COL2A1) | J00116.1 | 15 | 0.12% | 4 | 0.03% |
| 257 | complement factor H (=M17517) | Y00716 | 15 | 0.12% | 4 | 0.03% |

Figure 16 - Continued

| | | | | | | |
|-----|---|-------------|---|-------|---|-------|
| 258 | MEN1 region clone epsilon/beta | AF001893.1 | 8 | 0.06% | 4 | 0.03% |
| 259 | ubiquinol-cytochrome c reductase complex (7.2 kD); hypothetical prote | NP_037519.1 | 8 | 0.06% | 4 | 0.03% |
| 260 | breast carcinoma amplified sequence 2 (BCAS2) | NM_005872.1 | 8 | 0.06% | 4 | 0.03% |
| 261 | SUI1 isolog | AF083441.1 | 6 | 0.05% | 4 | 0.03% |
| 262 | DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 5 (RNA helicase, 68kD) | NM_004396.1 | 6 | 0.05% | 4 | 0.03% |
| 263 | hypoxia-inducible factor 1 alpha (HIF-1 alpha) | U22431 | 6 | 0.05% | 4 | 0.03% |
| 264 | KIAA0728 | AB018271.1 | 6 | 0.05% | 4 | 0.03% |
| 265 | heat shock 10kD protein 1 (chaperonin 10) (HSPE1) | NM_002157.1 | 5 | 0.04% | 4 | 0.03% |
| 266 | platelet-derived growth factor receptor alpha (PDGFRA) | M21574 | 5 | 0.04% | 4 | 0.03% |
| 267 | Clk-associated RS cyclophilin CARS-Cyp | U40763 | 5 | 0.04% | 4 | 0.03% |
| 268 | ribosomal protein L13a (RPL13A) | NM_012423.1 | 4 | 0.03% | 4 | 0.03% |
| 269 | ribosomal protein L15 | NM_002948.1 | 4 | 0.03% | 4 | 0.03% |
| 270 | thyroid receptor interactor (TRIP7) | L40357 | 4 | 0.03% | 4 | 0.03% |
| 271 | vesicle docking protein p115 (P115) | NM_003715.1 | 4 | 0.03% | 4 | 0.03% |
| 272 | heat shock J2 protein (HSJ2) | AF075601.1 | 4 | 0.03% | 4 | 0.03% |
| 273 | tumor necrosis factor-inducible (TSG-6) | M31165 | 4 | 0.03% | 4 | 0.03% |
| 274 | ribosomal protein, large, P1 (RPLP1) | NM_001003.1 | 3 | 0.02% | 4 | 0.03% |
| 275 | heterogeneous nuclear ribonucleoprotein A1 (HNRPA1) | NM_002136.1 | 3 | 0.02% | 4 | 0.03% |
| 276 | lysosomal membrane glycoprotein CD63 (=M59907 ME491;X07982) | M58485 | 3 | 0.02% | 4 | 0.03% |
| 277 | Cyr61 protein (CYR61) | AF031385 | 3 | 0.02% | 4 | 0.03% |
| 278 | BCL2/adenovirus E1B 19kD-interacting protein 3 (BNIP3) | U15174 | 3 | 0.02% | 4 | 0.03% |
| 279 | amyloid-beta protein (APP) | M33112.1 | 3 | 0.02% | 4 | 0.03% |
| 280 | hereditary haemochromatosis region, histone 2A-like protein gene, her | U91328.1 | 3 | 0.02% | 4 | 0.03% |
| 281 | SEC24 (S. cerevisiae)related gene family, member D (SEC24D), = AK | NM_014822.1 | 3 | 0.02% | 4 | 0.03% |
| 282 | annexin A4 (ANXA4) | NM_001153.2 | 3 | 0.02% | 4 | 0.03% |
| 283 | semaphorin E | AB000220 | 3 | 0.02% | 4 | 0.03% |
| 284 | single-stranded DNA-binding protein (SSBP), nuclear gene encoding n | NM_003143.1 | 3 | 0.02% | 4 | 0.03% |
| 285 | 5' nucleotidase (EC 3.1.3.5) | X55740 | 3 | 0.02% | 4 | 0.03% |
| 286 | AgX-1 antigen | S73498 | 3 | 0.02% | 4 | 0.03% |
| 287 | frizzled-related protein (FRZB) | NM_001463.1 | 2 | 0.02% | 4 | 0.03% |
| 288 | alpha E-catenin (CTNNA1) gene | AF102803.1 | 2 | 0.02% | 4 | 0.03% |
| 289 | zinc finger transcription factor GKLF | AF105036.1 | 2 | 0.02% | 4 | 0.03% |
| 290 | KIAA1247 | AB033073.1 | 2 | 0.02% | 4 | 0.03% |
| 291 | Lsm3 protein | AJ238095.1 | 2 | 0.02% | 4 | 0.03% |
| 292 | SET translocation (myeloid leukemia-associated) (SET) =M93651 | NM_003011.1 | 2 | 0.02% | 4 | 0.03% |
| 293 | arginine-rich nuclear protein | M74002 | 2 | 0.02% | 4 | 0.03% |
| 294 | actin-related protein Arp3 (ARP3)(actin-related protein 3 yeast)homolog | AF006083.1 | 2 | 0.02% | 4 | 0.03% |
| 295 | CYTOCHROME C OXIDASE POLYPEPTIDE I | P00395 | 2 | 0.02% | 4 | 0.03% |
| 296 | PRO0530 | AF111849.1 | 2 | 0.02% | 4 | 0.03% |
| 297 | small acidic protein | U51678 | 2 | 0.02% | 4 | 0.03% |
| 298 | ATP SYNTHASE E CHAIN, MITOCHONDRIAL | spP56385 | 2 | 0.02% | 4 | 0.03% |
| 299 | lost on transformation LOT1 (=PLAGL1) | U72621.2 | 2 | 0.02% | 4 | 0.03% |
| 300 | N2A3 (=DPYSL2) (=dihydropyrimidinase related protein-2) | U97105 | 2 | 0.02% | 4 | 0.03% |
| 301 | HIC protein | AF054589 | 2 | 0.02% | 4 | 0.03% |
| 302 | CGI-148 protein | AF151906 | 2 | 0.02% | 4 | 0.03% |
| 303 | ribosomal protein S21 (RPS21) | L04483 | 1 | 0.01% | 4 | 0.03% |
| 304 | TI-227H (=tomoregulin; mitochondrial) | D50525 | 1 | 0.01% | 4 | 0.03% |
| 305 | glucocorticoid-induced GILZ | AF228339 | 1 | 0.01% | 4 | 0.03% |
| 306 | heat shock 70kD protein 10 (HSC71) (HSPA10) | NM_006597.1 | 1 | 0.01% | 4 | 0.03% |
| 307 | actin binding protein ABP620 | AB029290.1 | 1 | 0.01% | 4 | 0.03% |
| 308 | profilin II | L10678.1 | 1 | 0.01% | 4 | 0.03% |
| 309 | tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation pr | NM_006826.1 | 1 | 0.01% | 4 | 0.03% |

Figure 16 - Continued

| | | | | | | |
|-----|---|-------------|---|-------|---|-------|
| 310 | sphingolipid activator protein 1 | J03015 | 1 | 0.01% | 4 | 0.03% |
| 311 | prolyl 4-hydroxylase gene | U14608.1 | 1 | 0.01% | 4 | 0.03% |
| 312 | prion protein (p27-30) (Creutzfeld-Jakob disease, Gerstmann-Strausler | NM_000311.1 | 1 | 0.01% | 4 | 0.03% |
| 313 | interleukin 1 receptor, type I (IL1R1) = M27492.1 | NM_000877.1 | 1 | 0.01% | 4 | 0.03% |
| 314 | KIAA0663 | AB014563 | 1 | 0.01% | 4 | 0.03% |
| 315 | palmitoyl-protein thioesterase (PPT) | AF022211 | 1 | 0.01% | 4 | 0.03% |
| 316 | N-acylsphingosine amidohydrolase (ASAH) (acid ceramidase) | NM_004315.1 | 1 | 0.01% | 4 | 0.03% |
| 317 | biglycan BGN | U11686.1 | 1 | 0.01% | 4 | 0.03% |
| 318 | KIAA0102 | D14658 | 1 | 0.01% | 4 | 0.03% |
| 319 | vascular cell adhesion molecule 1 (VCAM1) | M30257 | 1 | 0.01% | 4 | 0.03% |
| 320 | signal recognition particle subunit 9 (SRP9) | U20998 | 1 | 0.01% | 4 | 0.03% |
| 321 | somatic cytochrome c (HCS) gene | M22877.1 | 1 | 0.01% | 4 | 0.03% |
| 322 | calpastatin | D50827 | 1 | 0.01% | 4 | 0.03% |
| 323 | H-2K binding factor-2 | D14041 | 1 | 0.01% | 4 | 0.03% |
| 324 | nucleobindin 2 (NUCB2)(NEFA protein) | X76732 | 1 | 0.01% | 4 | 0.03% |
| 325 | Rap1B | U07795 | 1 | 0.01% | 4 | 0.03% |
| 326 | X (inactive)-specific transCRipt (XIST) | M97168 | 1 | 0.01% | 4 | 0.03% |
| 327 | NADH-UBIQUINONE OXIDOREDUCTASE MLRQ SUBUNIT (COMPL | spO00483 | 1 | 0.01% | 4 | 0.03% |
| 328 | XAGL protein | Y15906.1 | 1 | 0.01% | 4 | 0.03% |
| 329 | KIAA1038 | AB028961 | 1 | 0.01% | 4 | 0.03% |
| 330 | Ku autoimmune antigen gene | J04977.1 | 9 | 0.07% | 3 | 0.02% |
| 331 | hypoxia-inducible gene 1 (HIG1) (=HSPC010) | AF145385.1 | 8 | 0.06% | 3 | 0.02% |
| 332 | Tigger1 transposable element | U49973.1 | 7 | 0.06% | 3 | 0.02% |
| 333 | cytosolic selenium-dependent glutathione peroxidase (=L09159 RHOA | M83094 | 7 | 0.06% | 3 | 0.02% |
| 334 | sterol carrier protein 2 | S52450 | 6 | 0.05% | 3 | 0.02% |
| 335 | ribosomal protein S3 (RPS3) | NM_001005.1 | 5 | 0.04% | 3 | 0.02% |
| 336 | enhancer of rudimentary homologue | U66871 | 5 | 0.04% | 3 | 0.02% |
| 337 | Heterogeneous nuclear ribonucleoprotein U (scaffold attachment factor | NM_004501.1 | 5 | 0.04% | 3 | 0.02% |
| 338 | epidermal growth factor receptor kinase substrate (Eps8) | U12535 | 5 | 0.04% | 3 | 0.02% |
| 339 | protein disulfide isomerase-related protein (P5)= D49489 | NM_005742.1 | 5 | 0.04% | 3 | 0.02% |
| 340 | paired mesoderm homeo box 1 (PMX1) | gi5902023 | 5 | 0.04% | 3 | 0.02% |
| 341 | actin, beta (ACTB) | NM_001101.2 | 4 | 0.03% | 3 | 0.02% |
| 342 | guanine nucleotide binding protein (G protein), beta polypeptide 2-like | NM_006098.1 | 4 | 0.03% | 3 | 0.02% |
| 343 | aggrecan (chondroitin sulfate proteoglycan 1, large aggregating proteo | U13613 | 4 | 0.03% | 3 | 0.02% |
| 344 | trophoblast STAT utron | AF080092.1 | 4 | 0.03% | 3 | 0.02% |
| 345 | testis enhanced gene transCRipt protein (TEGT) | AF033095 | 4 | 0.03% | 3 | 0.02% |
| 346 | heterogeneous nuclear ribonucleoprotein K (HNRPK) | NM_002140.1 | 4 | 0.03% | 3 | 0.02% |
| 347 | UDP-glucose dehydrogenase (UGDH) | AF061016 | 4 | 0.03% | 3 | 0.02% |
| 348 | uridine diphosphoglucose pyrophosphorylase | U27460 | 4 | 0.03% | 3 | 0.02% |
| 349 | kinectin 1 (kinesin receptor) (KTN1)(= KIAA0004) | NM_004986.1 | 4 | 0.03% | 3 | 0.02% |
| 350 | GOLGI 4-TRANSMEMBRANE SPANNING TRANSPORTER MTP (Kl | spQ15012 | 4 | 0.03% | 3 | 0.02% |
| 351 | neural precursor cell expressed, developmentally down-regulated 5 (N | NM_004404.1 | 3 | 0.02% | 3 | 0.02% |
| 352 | chloride intracellular channel 4 like (CLIC4L) | NM_013943.1 | 3 | 0.02% | 3 | 0.02% |
| 353 | DEK oncogene (DNA binding) (DEK) | gi4503248 | 3 | 0.02% | 3 | 0.02% |
| 354 | S164 (=AC004858 U1 small ribonucleoprotein 1SNRP homologue) | AF109907 | 3 | 0.02% | 3 | 0.02% |
| 355 | malate dehydrogenase 1, NAD (soluble) (MDH1) | NM_005917.1 | 3 | 0.02% | 3 | 0.02% |
| 356 | matrilin-2 precursor | U69263 | 3 | 0.02% | 3 | 0.02% |
| 357 | Golgi autoantigen, golgin subfamily a, 4 (GOLGA4) | NM_002078.2 | 3 | 0.02% | 3 | 0.02% |
| 358 | spectrin SH3 domain binding protein 1 (SSH3BP1) | NM_005470.1 | 3 | 0.02% | 3 | 0.02% |
| 359 | GTP-binding protein Sara | AF092130.1 | 3 | 0.02% | 3 | 0.02% |
| 360 | C2H2 zinc finger protein (ZNF189) | AF025772.1 | 3 | 0.02% | 3 | 0.02% |
| 361 | SON protein | AF193606 | 3 | 0.02% | 3 | 0.02% |

Figure 16 - Continued

| | | | | | | |
|-----|---|-------------|---|-------|---|-------|
| 362 | ribosomal protein L14 | D87735 | 2 | 0.02% | 3 | 0.02% |
| 363 | collagen type XII alpha 1 (COL12A1) | U57362 | 2 | 0.02% | 3 | 0.02% |
| 364 | protein tyrosine phosphatase (hR-PTPu) | X58288 | 2 | 0.02% | 3 | 0.02% |
| 365 | titin (TTN) gene | CAA49245.1 | 2 | 0.02% | 3 | 0.02% |
| 366 | 16.7Kd protein | AF078845.1 | 2 | 0.02% | 3 | 0.02% |
| 367 | KIAA0438 | AB007898.1 | 2 | 0.02% | 3 | 0.02% |
| 368 | PAPS synthetase-2 (PAPSS2) | AF074331.1 | 2 | 0.02% | 3 | 0.02% |
| 369 | ataxia telangiectasia (ATM) gene | U82828.1 | 2 | 0.02% | 3 | 0.02% |
| 370 | constitutive fragile region FRA3B | AF152363.1 | 2 | 0.02% | 3 | 0.02% |
| 371 | NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 5 (13kD, B13 | NM_005000.1 | 2 | 0.02% | 3 | 0.02% |
| 372 | small membrane protein 1 (SMP1) | AF081282 | 2 | 0.02% | 3 | 0.02% |
| 373 | glutaredoxin | X76648.1 | 2 | 0.02% | 3 | 0.02% |
| 374 | KIAA0569 | AB011141 | 2 | 0.02% | 3 | 0.02% |
| 375 | KIAA0942 protein (KIAA0942) | NM_015310.1 | 2 | 0.02% | 3 | 0.02% |
| 376 | cullin 4A (CUL4A) | AF077188.1 | 2 | 0.02% | 3 | 0.02% |
| 377 | voltage-dependent anion channel (VDAC1) | AF151097.1 | 2 | 0.02% | 3 | 0.02% |
| 378 | exportin 1 (CRM1, yeast, homolog) (XPO1)(ORF) =D89729, CRM1 pro | NM_003400.1 | 2 | 0.02% | 3 | 0.02% |
| 379 | progesterone membrane binding protein (PMBP) | 5453915 | 2 | 0.02% | 3 | 0.02% |
| 380 | HSPC204 | AF151038.1 | 2 | 0.02% | 3 | 0.02% |
| 381 | HSPC034 protein | AF100747.1 | 2 | 0.02% | 3 | 0.02% |
| 382 | TATA element modulatory factor | L01042.1 | 2 | 0.02% | 3 | 0.02% |
| 383 | CGI-121 protein (LOC51002) | NM_016058.1 | 2 | 0.02% | 3 | 0.02% |
| 384 | activin beta-A subunit (=cDNA FLJ11041 fis, clone PLACE1004405, d | X57580.1 | 2 | 0.02% | 3 | 0.02% |
| 385 | ferritin L chain | M11147 | 1 | 0.01% | 3 | 0.02% |
| 386 | guanine nucleotide binding protein (G protein), alpha stimulating activit | NM_000516.2 | 1 | 0.01% | 3 | 0.02% |
| 387 | nicotinamide N-methyltransferase (NNMT) | U08021 | 1 | 0.01% | 3 | 0.02% |
| 388 | protein C inhibitor [human, leukocytes, Genomic, 1402 nt, segment 5 o | S69366.1 | 1 | 0.01% | 3 | 0.02% |
| 389 | transcription factor BTF 3 | X74070 | 1 | 0.01% | 3 | 0.02% |
| 390 | GAP-associated tyrosine phosphoprotein p62 (Sam68) (SAM68) (=p62 | NM_006559.1 | 1 | 0.01% | 3 | 0.02% |
| 391 | collagen type VI alpha 1 (COL6A1) | X15880 | 1 | 0.01% | 3 | 0.02% |
| 392 | t-complex-associated-testis-expressed 1-like (TCTE1L)=U02556=RP3 | NM_006520.1 | 1 | 0.01% | 3 | 0.02% |
| 393 | NADH-ubiquinone oxidoreductase AGGG subunit precursor homolog | AF067166.1 | 1 | 0.01% | 3 | 0.02% |
| 394 | ubiquitin gene | U49869 | 1 | 0.01% | 3 | 0.02% |
| 395 | CYTOCHROME C OXIDASE POLYPEPTIDE II | spP00403 | 1 | 0.01% | 3 | 0.02% |
| 396 | cisplatin resistance-associated overexpressed protein | AB034205.1 | 1 | 0.01% | 3 | 0.02% |
| 397 | Arp2/3 protein complex subunit p16 (ARC16) =AF006088 (ORF) | NM_005717.1 | 1 | 0.01% | 3 | 0.02% |
| 398 | Eukaryotic translation initiation factor 2, subunit 2 (beta, 38kD)(EIF2S2 | NM_003908.1 | 1 | 0.01% | 3 | 0.02% |
| 399 | p75NTR-associated cell death executor (NADE) | AF187064.1 | 1 | 0.01% | 3 | 0.02% |
| 400 | GW128 | AF107406 | 1 | 0.01% | 3 | 0.02% |
| 401 | SLC11A3 iron transporter | AF215636.1 | 1 | 0.01% | 3 | 0.02% |
| 402 | line-1 protein ORF2 (=p150) | B28096 | 1 | 0.01% | 3 | 0.02% |
| 403 | esterase D | AF112219 | 1 | 0.01% | 3 | 0.02% |
| 404 | inositol 1,4,5-triphosphate receptor, type 2 (ITPR2) | NM_002223.1 | 1 | 0.01% | 3 | 0.02% |
| 405 | SPHAR gene for cyclin-related protein | X82554.1 | 1 | 0.01% | 3 | 0.02% |
| 406 | mitochondrial 16S rRNA | Z70759 | 1 | 0.01% | 3 | 0.02% |
| 407 | murine leukemia viral (bmi-1) oncogene homolog (BMI1) | NM_005180.1 | 1 | 0.01% | 3 | 0.02% |
| 408 | S1R protein (S1R) (=CGI-119) | AF113127.1 | 1 | 0.01% | 3 | 0.02% |
| 409 | basic helix-loop-helix domain containing, class B, 2 (BHLHB2), mRNA | Hs.171825 | 1 | 0.01% | 3 | 0.02% |
| 410 | predicted osteoblast protein (GS3786), mRNA | NM_014888.1 | 1 | 0.01% | 3 | 0.02% |
| 411 | frizzled (Drosophila) homolog 1 (FZD1) | NM_003505.1 | 1 | 0.01% | 3 | 0.02% |
| 412 | Diff33 protein homolog | AF164794.1 | 1 | 0.01% | 3 | 0.02% |
| 413 | KIAA0244 gene | D87685 | 1 | 0.01% | 3 | 0.02% |

Figure 16 - Continued

| | | | | | | |
|-----|---|--------------|---|-------|---|-------|
| 414 | PRO2751 | AF119896.1 | 1 | 0.01% | 3 | 0.02% |
| 415 | protein x 0001 | AF117230 | 1 | 0.01% | 3 | 0.02% |
| 416 | dihydrofolate reductase (DHFR) | NM_000791.2 | 1 | 0.01% | 3 | 0.02% |
| 417 | sorting nexin 3 (SNX3) | AF034546 | 1 | 0.01% | 3 | 0.02% |
| 418 | two-handed zinc finger protein ZEB | U19969 | 1 | 0.01% | 3 | 0.02% |
| 419 | beta-COP | X82103 | 1 | 0.01% | 3 | 0.02% |
| 420 | RAD23 (S. cerevisiae) homolog B (RAD23B) | NM_002874.1 | 1 | 0.01% | 3 | 0.02% |
| 421 | oligodendrocyte myelin glycoprotein (OMG) | L05367 | 1 | 0.01% | 3 | 0.02% |
| 422 | KIAA1073 | AB028996.1 | 1 | 0.01% | 3 | 0.02% |
| 423 | PTD011 | AF078864 | 1 | 0.01% | 3 | 0.02% |
| 424 | Arginine-rich protein (ARP) | NM_006010.1 | 1 | 0.01% | 3 | 0.02% |
| 425 | cyclin G2 | U47414 | 1 | 0.01% | 3 | 0.02% |
| 426 | Hmob33 protein | Y14155.1 | 1 | 0.01% | 3 | 0.02% |
| 427 | HSPC039 protein | AF125100.1 | 1 | 0.01% | 3 | 0.02% |
| 428 | Nuclear antigen Sp100 (SP100) | NM_003113.1 | 1 | 0.01% | 3 | 0.02% |
| 429 | cytochrome-c oxidase subunit VIIaL precursor (COX7AL) | AF134406.1 | 1 | 0.01% | 3 | 0.02% |
| 430 | metalloproteinase inhibitor TIMP-2 | AF127803.1 | 1 | 0.01% | 3 | 0.02% |
| 431 | DNAJ domain-containing protein MCJ (MCJ) | AF126743.1 | 1 | 0.01% | 3 | 0.02% |
| 432 | steroid dehydrogenase homolog | AF078850.1 | 1 | 0.01% | 3 | 0.02% |
| 433 | KIAA0829 | AB020636 | 1 | 0.01% | 3 | 0.02% |
| 434 | tubulin beta | AF070561 | 6 | 0.05% | 2 | 0.01% |
| 435 | ARP2/3 protein complex subunit p21 (ARC21=AF006086 (ORF) | NM_005719.1 | 6 | 0.05% | 2 | 0.01% |
| 436 | NS1-binding protein (NS1-BP) (=AB020657 KIAA0850) | AJ012449 | 6 | 0.05% | 2 | 0.01% |
| 437 | syndecan binding protein (syntenin) (SDCBP)(ORF) = AF000652.1 | NM_005625.1 | 5 | 0.04% | 2 | 0.01% |
| 438 | proline-rich protein with nuclear targeting signal (B4-2) | NM_006813.1 | 5 | 0.04% | 2 | 0.01% |
| 439 | Nck-associated protein 1 (Nap1) (=AB011159 KIAA0587) | AB014509.1 | 5 | 0.04% | 2 | 0.01% |
| 440 | CD63 antigen (melanoma 1 antigen) (CD63) | NM_001780.1 | 4 | 0.03% | 2 | 0.01% |
| 441 | zinc finger protein 216 (ZNF216) | AF062072.1 | 4 | 0.03% | 2 | 0.01% |
| 442 | sin3 associated polypeptide (SAP18) | AF153608 | 4 | 0.03% | 2 | 0.01% |
| 443 | sema domain immunoglobulin domain (Ig)(semaphorin) 3E (SEMA3E) | (NM_012431.1 | 4 | 0.03% | 2 | 0.01% |
| 444 | HepG2 | D17039 | 4 | 0.03% | 2 | 0.01% |
| 445 | RGC32 protein (RGC32) | NM_014059.1 | 4 | 0.03% | 2 | 0.01% |
| 446 | UDP-glucose pyrophosphorylase 2 (ORF) | NM_006759.1 | 4 | 0.03% | 2 | 0.01% |
| 447 | HSPC238 | AF151072.1 | 4 | 0.03% | 2 | 0.01% |
| 448 | polyposis locus (DP1 gene) | M73547 | 4 | 0.03% | 2 | 0.01% |
| 449 | proteasome (prosome, macRopain) subunit, beta type, 1 (PSMB1) | NM_002793.1 | 4 | 0.03% | 2 | 0.01% |
| 450 | cytoskeletal gamma-actin | X04098 | 3 | 0.02% | 2 | 0.01% |
| 451 | elongation factor 1 beta 2 (EEF1B2) | NM_001959.1 | 3 | 0.02% | 2 | 0.01% |
| 452 | NADH dehydrogenase(ubiquinone) Fe-S protein 5 (15kD) (NADH-coen | NM_004552.1 | 3 | 0.02% | 2 | 0.01% |
| 453 | hairy (Drosophila)-homolog (HRY) | NM_005524.2 | 3 | 0.02% | 2 | 0.01% |
| 454 | HSPC035 protein (LOC51669), NPD003 | NM_016127.1 | 3 | 0.02% | 2 | 0.01% |
| 455 | KIAA0970 | AB023187.1 | 3 | 0.02% | 2 | 0.01% |
| 456 | KIAA0332 | AB002330 | 3 | 0.02% | 2 | 0.01% |
| 457 | PTD010 | AF078863.1 | 3 | 0.02% | 2 | 0.01% |
| 458 | glyoxalase-I (GLO1) | AF146651.1 | 3 | 0.02% | 2 | 0.01% |
| 459 | ras-related GTP-binding protein | AF106681.1 | 3 | 0.02% | 2 | 0.01% |
| 460 | non-histone chromosomal protein (HMG-1) | L08048.1 | 3 | 0.02% | 2 | 0.01% |
| 461 | SON DNA binding protein (SON) | X63753 | 3 | 0.02% | 2 | 0.01% |
| 462 | N-terminal acetyltransferase complex ard1 subunit | AF085355.1 | 3 | 0.02% | 2 | 0.01% |
| 463 | CMP-N-acetylneuraminic acid hydroxylase | AF074480.1 | 3 | 0.02% | 2 | 0.01% |
| 464 | KIAA1250 | AB033076.1 | 3 | 0.02% | 2 | 0.01% |
| 465 | 5-aminoimidazole-4-carboxamide ribonucleotide | NM_004044.1 | 3 | 0.02% | 2 | 0.01% |

Figure 16 - Continued

| | | | | | | |
|-----|--|-------------|---|-------|---|-------|
| 466 | adenylyl cyclase-associated protein (CAP) | L12168 | 3 | 0.02% | 2 | 0.01% |
| 467 | enterocyte differentiation associated factor ED4F-1 | U62136.2 | 3 | 0.02% | 2 | 0.01% |
| 468 | E6-AP ubiquitin-protein ligase (UBE3A) | AF009341.1 | 3 | 0.02% | 2 | 0.01% |
| 469 | AKAP450 protein | AJ131693.1 | 3 | 0.02% | 2 | 0.01% |
| 470 | protein-L-isoaspartate (D-aspartate) O-methyltransferase (PCMT1) (OF | NM_005389.1 | 3 | 0.02% | 2 | 0.01% |
| 471 | ribosomal protein, large P2 (RPLP2) | NM_001004.1 | 2 | 0.02% | 2 | 0.01% |
| 472 | metallothionein-le (hMT-le) | M10942 | 2 | 0.02% | 2 | 0.01% |
| 473 | thymosin beta-10 | S54005 | 2 | 0.02% | 2 | 0.01% |
| 474 | ubiquitin-conjugating enzyme E2B (RAD6 homolog) (UBE2B) | NM_003337.1 | 2 | 0.02% | 2 | 0.01% |
| 475 | SMT3 (suppressor of mif two 3, yeast) homolog 2 (SMT3H2) | NM_006937.1 | 2 | 0.02% | 2 | 0.01% |
| 476 | AD-017 protein | AF157318.1 | 2 | 0.02% | 2 | 0.01% |
| 477 | KIAA0164 | D79986 | 2 | 0.02% | 2 | 0.01% |
| 478 | KIAA1077 | AB029000.1 | 2 | 0.02% | 2 | 0.01% |
| 479 | trichorhinophalangeal syndrome I gene (TRPS1) | NM_014112.1 | 2 | 0.02% | 2 | 0.01% |
| 480 | TATA box binding protein (TBP)-associated factor, RNA polymerase II | NM_005642.1 | 2 | 0.02% | 2 | 0.01% |
| 481 | SWI/SNF related, matrix associated (SMARCA1) | gi4507066 | 2 | 0.02% | 2 | 0.01% |
| 482 | karyopherin alpha 4 (=importin alpha 3) (KPNA4) | NM_002268.1 | 2 | 0.02% | 2 | 0.01% |
| 483 | apoptosis related protein APR-1 | AF143235.2 | 2 | 0.02% | 2 | 0.01% |
| 484 | sorting nexin 6 (SNX6) | AF121856.1 | 2 | 0.02% | 2 | 0.01% |
| 485 | progesterone binding protein (HPR6.6) | gi5729874 | 2 | 0.02% | 2 | 0.01% |
| 486 | proteasome subunit HC9 | D00763 | 2 | 0.02% | 2 | 0.01% |
| 487 | dermatopontin | Z22865 | 2 | 0.02% | 2 | 0.01% |
| 488 | KIAA0766 | AB018309.1 | 2 | 0.02% | 2 | 0.01% |
| 489 | Id-2H | D13891 | 2 | 0.02% | 2 | 0.01% |
| 490 | CGI-07 protein | AF132941.1 | 2 | 0.02% | 2 | 0.01% |
| 491 | DNA polymerase zeta catalytic subunit (REV3) | AF157476.1 | 2 | 0.02% | 2 | 0.01% |
| 492 | KIAA0382 | AB002380 | 2 | 0.02% | 2 | 0.01% |
| 493 | KIAA1053 | AB028976.1 | 2 | 0.02% | 2 | 0.01% |
| 494 | NY-REN-45 antigen (LOC51133) | NM_016121.1 | 2 | 0.02% | 2 | 0.01% |
| 495 | splicing factor (CC1.4) | L10911.1 | 2 | 0.02% | 2 | 0.01% |
| 496 | t-complex polypeptide 1 | X52882 | 2 | 0.02% | 2 | 0.01% |
| 497 | restin (Reed-Steinberg cell-expressed intermediate filament-associated | NM_002956.1 | 2 | 0.02% | 2 | 0.01% |
| 498 | mannose 6-phosphate receptor, 46 kD (MPR46) | X56257 | 2 | 0.02% | 2 | 0.01% |
| 499 | replication protein A3 (14kD) (RPA3) | NM_002947.1 | 2 | 0.02% | 2 | 0.01% |
| 500 | anaphase promoting complex subunit 10 | AF132794.1 | 2 | 0.02% | 2 | 0.01% |
| 501 | KIAA0729 | AB018272.1 | 2 | 0.02% | 2 | 0.01% |
| 502 | lysophospholipase I (LYPLA1) | NM_006330.1 | 2 | 0.02% | 2 | 0.01% |
| 503 | cofilin isoform 1 | AF134802 | 2 | 0.02% | 2 | 0.01% |
| 504 | HSPC213 (=HSPC327) | AAF36133.1 | 2 | 0.02% | 2 | 0.01% |
| 505 | sperm antigen-36 | AF187554.1 | 2 | 0.02% | 2 | 0.01% |
| 506 | epb72 | X85117 | 2 | 0.02% | 2 | 0.01% |
| 507 | ribosomal protein L27A | AB020236.1 | 1 | 0.01% | 2 | 0.01% |
| 508 | ubiquitin A-52 residue ribosomal protein fusion product 1 (UBA52) | gi4507760 | 1 | 0.01% | 2 | 0.01% |
| 509 | enolase 1 (alpha) (ENO1) | NM_001428.1 | 1 | 0.01% | 2 | 0.01% |
| 510 | dolichyl-phosphate beta-glucosyltransferase (ALG5) | AF102850.1 | 1 | 0.01% | 2 | 0.01% |
| 511 | glutamine synthetase | S70290 | 1 | 0.01% | 2 | 0.01% |
| 512 | syntaxin 4 binding protein UNC-18c (UNC-18c) | AF032922.1 | 1 | 0.01% | 2 | 0.01% |
| 513 | lactate dehydrogenase B (LDH-B) | Y00711 | 1 | 0.01% | 2 | 0.01% |
| 514 | protein phosphatase 2 (formerly 2A), catalytic subunit, alpha isoform (F | NM_002715.1 | 1 | 0.01% | 2 | 0.01% |
| 515 | cellular growth-regulating protein | L10844 | 1 | 0.01% | 2 | 0.01% |
| 516 | ornithine aminotransferase | M29927 | 1 | 0.01% | 2 | 0.01% |
| 517 | ORF2 contains a reverse transcriptase domain | AAA51622.1 | 1 | 0.01% | 2 | 0.01% |

Figure 16 - Continued

| | | | | | | |
|-----|---|---------------|---|-------|---|-------|
| 518 | ORF2 contains a reverse transcriptase domain | AAB59368.1 | 1 | 0.01% | 2 | 0.01% |
| 519 | transforming, acidic coiled-coil containing protein 1 (TACC1=AF049910) | NM_006283.1 | 1 | 0.01% | 2 | 0.01% |
| 520 | KDEL (Lys-Asp-Glu-Leu) endoplasmic reticulum protein retention receptor | NM_006854.2 | 1 | 0.01% | 2 | 0.01% |
| 521 | poly(rC)-binding protein 1 (PCBP1) | NM_006196.1 | 1 | 0.01% | 2 | 0.01% |
| 522 | Ia-associated invariant gamma-chain gene | M13560 | 1 | 0.01% | 2 | 0.01% |
| 523 | uncharacterized bone marrow protein BM034 (=AK000571 FLJ20564) | AF217511.1 | 1 | 0.01% | 2 | 0.01% |
| 524 | zinc finger protein SLUG (SLUG) gene | AF084243.1 | 1 | 0.01% | 2 | 0.01% |
| 525 | basic transcription factor 2 p44 (btf2p44) gene, partial cds, neuronal | U80017.1 | 1 | 0.01% | 2 | 0.01% |
| 526 | homeobox protein CDX4 (CDX4) gene | AF003530.1 | 1 | 0.01% | 2 | 0.01% |
| 527 | KIAA0530 | AB011102 | 1 | 0.01% | 2 | 0.01% |
| 528 | ribosomal protein L33-like protein | AF047440 | 1 | 0.01% | 2 | 0.01% |
| 529 | SOX4 | AF124147.1 | 1 | 0.01% | 2 | 0.01% |
| 530 | growth arrest specific transcription factor 5 gene | AF141346.1 | 1 | 0.01% | 2 | 0.01% |
| 531 | protein phosphatase 1 catalytic subunit, beta isoform (PPP1CB) | NM_002709.1 | 1 | 0.01% | 2 | 0.01% |
| 532 | glutaminase C | AF158555.1 | 1 | 0.01% | 2 | 0.01% |
| 533 | DNA-binding protein A gene | L29073.1 | 1 | 0.01% | 2 | 0.01% |
| 534 | YME1 (S.cerevisiae)-like 1 (YME1L1), = AJ132637.1 ATP-dependent | NM_014263.1 | 1 | 0.01% | 2 | 0.01% |
| 535 | LIM and SH3 protein 1 (LASP1) (=X82456 MLN50) | gi5453709 | 1 | 0.01% | 2 | 0.01% |
| 536 | high mobility group 2 protein (HMG-2) | M83665 | 1 | 0.01% | 2 | 0.01% |
| 537 | eukaryotic translation initiation factor 3, subunit 10 (theta, 150/170kD) | gi4503508 | 1 | 0.01% | 2 | 0.01% |
| 538 | protein kinase C inhibitor-1 | U27143 | 1 | 0.01% | 2 | 0.01% |
| 539 | diphosphoinositol polyphosphate phosphohydrolase type 2 (NUDT4) | AF191654.2 | 1 | 0.01% | 2 | 0.01% |
| 540 | copine III (CPNE3) (=AB014536 KIAA0636) | gi4503014 | 1 | 0.01% | 2 | 0.01% |
| 541 | KIAA0077 gene | D38521.1 | 1 | 0.01% | 2 | 0.01% |
| 542 | KIAA0680 gene product (KIAA0680) | NM_014721.1 | 1 | 0.01% | 2 | 0.01% |
| 543 | KIAA1013 | AB023230.1 | 1 | 0.01% | 2 | 0.01% |
| 544 | sequestered protein of unknown function (SPUF) | AF173937.1 | 1 | 0.01% | 2 | 0.01% |
| 545 | CYTOCHROME C OXIDASE POLYPEPTIDE III | P00414 | 1 | 0.01% | 2 | 0.01% |
| 546 | farnesyl-protein transferase alpha-subunit | L00634 | 1 | 0.01% | 2 | 0.01% |
| 547 | sequestosome 1 (SQSTM1) (=U46751.1 phosphotyrosine independent) | NM_003900.1 | 1 | 0.01% | 2 | 0.01% |
| 548 | Splicing factor proline/glutamine rich (polypyrimidine tract-binding protein) | NM_005066.1 | 1 | 0.01% | 2 | 0.01% |
| 549 | activin A receptor, type I (ACVR1) =Z22534 ALK-2 | NM_001105.1 | 1 | 0.01% | 2 | 0.01% |
| 550 | M-phase phosphoprotein homologue | AF100742.1 | 1 | 0.01% | 2 | 0.01% |
| 551 | KIAA0336 gene | NM_014635.1 | 1 | 0.01% | 2 | 0.01% |
| 552 | CGI-130 protein | AF151888.1 | 1 | 0.01% | 2 | 0.01% |
| 553 | KIAA1058 protein | AB028981.1 | 1 | 0.01% | 2 | 0.01% |
| 554 | LIV-1 protein, estrogen regulated (LIV-1) (=U41060) | 7106340 | 1 | 0.01% | 2 | 0.01% |
| 555 | Rosenthal fiber protein (alpha-B-Crystallin) | M24906 | 1 | 0.01% | 2 | 0.01% |
| 556 | BPTF mRNA for bromodomain PHD finger transcription factor | AB032251.1 | 1 | 0.01% | 2 | 0.01% |
| 557 | alpha subunit of GsGTP binding protein (GSA) | X56009 | 1 | 0.01% | 2 | 0.01% |
| 558 | proteasome (prosome, macropain) subunit, beta type, 3 (PSMB3) | NM_002795.1 | 1 | 0.01% | 2 | 0.01% |
| 559 | heterogeneous nuclear protein similar to rat helix destabilizing protein | (NM_005758.1) | 1 | 0.01% | 2 | 0.01% |
| 560 | Golgi vesicular membrane trafficking protein p18 (BET1) | gi5031610 | 1 | 0.01% | 2 | 0.01% |
| 561 | fukutin | AB038490.1 | 1 | 0.01% | 2 | 0.01% |
| 562 | KIAA0276 | D87466 | 1 | 0.01% | 2 | 0.01% |
| 563 | promyelocytic leukemia cell | M11948 | 1 | 0.01% | 2 | 0.01% |
| 564 | phosphoglucomutase 1 (PGM1) | M83088 | 1 | 0.01% | 2 | 0.01% |
| 565 | nucleotide binding protein, estradiol-induced (E2IG3) | NM_014366.1 | 1 | 0.01% | 2 | 0.01% |
| 566 | Lysyl tRNA Synthetase | D32053.1 | 1 | 0.01% | 2 | 0.01% |
| 567 | TPRC (=X97124 papillary renal cell carcinoma (translocation-associated | X99720 | 1 | 0.01% | 2 | 0.01% |
| 568 | nuclear matrix protein 55 | U89867.1 | 1 | 0.01% | 2 | 0.01% |
| 569 | RNA binding motif protein 3 (RBM3) (=U28686) | 5803136 | 1 | 0.01% | 2 | 0.01% |

Figure 16 - Continued

| | | | | | | |
|-----|---|-------------|----|-------|---|-------|
| 570 | CGI-34 protein | AF132968.1 | 1 | 0.01% | 2 | 0.01% |
| 571 | mitogen-activated protein kinase 3 (MAP4K3) | 4506376 | 1 | 0.01% | 2 | 0.01% |
| 572 | calcium channel alpha1E subunit (CACNA1E) gene | AF223391.1 | 1 | 0.01% | 2 | 0.01% |
| 573 | brain cellular apoptosis susceptibility protein (CSE1) | AF053641 | 1 | 0.01% | 2 | 0.01% |
| 574 | vacuolar ATPase isoform VA68 | AF113129.1 | 1 | 0.01% | 2 | 0.01% |
| 575 | sepin 2-like cell division control protein | AF146760.1 | 1 | 0.01% | 2 | 0.01% |
| 576 | KIAA1265 | AB033091 | 1 | 0.01% | 2 | 0.01% |
| 577 | guanylate binding protein isoform II (GBP-2) | M55543 | 1 | 0.01% | 2 | 0.01% |
| 578 | RING zinc finger protein (RZF) | AF037204 | 1 | 0.01% | 2 | 0.01% |
| 579 | L-isoaspartyl/D-aspartyl protein carboxyl methyltransferase isozyme I | M93009 | 1 | 0.01% | 2 | 0.01% |
| 580 | cytochrome succinate dehydrogenase, small subunit | AB026906.1 | 1 | 0.01% | 2 | 0.01% |
| 581 | interleukin 13 receptor alpha 1 (IL13RA1) | NM_001560.1 | 1 | 0.01% | 2 | 0.01% |
| 582 | 15 kDa selenoprotein (SEP15), mRNA /cds=(4,492) /gb=NM_004261 / | Hs.90606 | 1 | 0.01% | 2 | 0.01% |
| 583 | HSPC019 | AF077205.1 | 1 | 0.01% | 2 | 0.01% |
| 584 | KIAA0783 | AB018326.1 | 1 | 0.01% | 2 | 0.01% |
| 585 | NDPP-1 protein | D10727.1 | 1 | 0.01% | 2 | 0.01% |
| 586 | Sid3177 | AB024935.1 | 1 | 0.01% | 2 | 0.01% |
| 587 | SON DNA binding protein isoform E (SON) mRNA, complete cds, alter | Hs.92909 | 1 | 0.01% | 2 | 0.01% |
| 588 | split hand/foot deleted gene 1 | NP_033195.1 | 1 | 0.01% | 2 | 0.01% |
| 589 | MKP-1 like protein tyrosine phosphatase | AF038844 | 1 | 0.01% | 2 | 0.01% |
| 590 | Gem GTPase (gem) | U10550 | 1 | 0.01% | 2 | 0.01% |
| 591 | plasma cell membrane glycoprotein (PC-1) | M57736.1 | 1 | 0.01% | 2 | 0.01% |
| 592 | acyl-CoA synthetase 4 (ACS4) | AF030555 | 1 | 0.01% | 2 | 0.01% |
| 593 | NADH-ubiquinone oxidoreductase MNLL subunit | AF050638.1 | 1 | 0.01% | 2 | 0.01% |
| 594 | leucine-rich repeat (LRR) protein (P37NB) 37 kDa | NM_005824.1 | 1 | 0.01% | 2 | 0.01% |
| 595 | beta-migrating plasminogen activator inhibitor I | M14083 | 1 | 0.01% | 2 | 0.01% |
| 596 | proteasome subunit X (=X95586 MB1) | D29011 | 1 | 0.01% | 2 | 0.01% |
| 597 | FUSE binding protein 3 (FBP3) | U69127.1 | 1 | 0.01% | 2 | 0.01% |
| 598 | transcriptional activation factor TAFII32 (=AF151895 CGI-137 protein | U21858 | 1 | 0.01% | 2 | 0.01% |
| 599 | CGI-114 protein (=DKFZp566E144) | AF151872.1 | 1 | 0.01% | 2 | 0.01% |
| 600 | CGI-123 protein | AF151881.1 | 1 | 0.01% | 2 | 0.01% |
| 601 | CGI-24 protein | AF132958.1 | 1 | 0.01% | 2 | 0.01% |
| 602 | nuclear pore complex protein hnup153 | Z25535 | 1 | 0.01% | 2 | 0.01% |
| 603 | ras-related YPT1 protein (ORF) | P11476 | 1 | 0.01% | 2 | 0.01% |
| 604 | Opa-interacting protein OIP2 | AF025438 | 1 | 0.01% | 2 | 0.01% |
| 605 | cartilage link protein (CRTL1) | U43328.1 | 31 | 0.25% | 1 | 0.01% |
| 606 | fatty acid binding protein (adipocyte lipid-binding protein) | NM_001442.1 | 18 | 0.14% | 1 | 0.01% |
| 607 | hemoglobin beta chain (HBB) | AF117710 | 16 | 0.13% | 1 | 0.01% |
| 608 | fatty acid binding protein 4, adipocyte (FABP4), mRNA /cds=(47,445) / | Hs.83213 | 15 | 0.12% | 1 | 0.01% |
| 609 | ubiquitin-like 1 (sentrin) (UBL1) (=SUMO-1) | NM_003352.1 | 9 | 0.07% | 1 | 0.01% |
| 610 | phenylalkylamine binding protein gene | AF196969.1 | 7 | 0.06% | 1 | 0.01% |
| 611 | signal recognition particle 14kD (homologous Alu RNA-binding protein) | NM_003134.1 | 6 | 0.05% | 1 | 0.01% |
| 612 | KVLQT1 gene (=p150) | AJ006345.1 | 6 | 0.05% | 1 | 0.01% |
| 613 | alpha-2-macroglobulin | D83196 | 6 | 0.05% | 1 | 0.01% |
| 614 | metallothionein 1L (MT1L) | NM_002450.1 | 5 | 0.04% | 1 | 0.01% |
| 615 | thrombospondin 1 (THBS1) | NM_003246.1 | 5 | 0.04% | 1 | 0.01% |
| 616 | Kallmann syndrome 1 (KAL1) (=ADMLX=putative adhesion molecule) | NM_000216.1 | 5 | 0.04% | 1 | 0.01% |
| 617 | YAP65 | X80507.1 | 4 | 0.03% | 1 | 0.01% |
| 618 | protein phosphatase 2A catalytic subunit-beta | M60484 | 4 | 0.03% | 1 | 0.01% |
| 619 | KIAA0191 (zinc finger homolog) | D83776 | 4 | 0.03% | 1 | 0.01% |
| 620 | protein immuno-reactive with anti-PTH polyclonal antibodies | U28831.1 | 4 | 0.03% | 1 | 0.01% |
| 621 | ATP SYNTHASE GAMMA CHAIN, MITOCHONDRIAL PRECURSOR | spP36542 | 4 | 0.03% | 1 | 0.01% |

Figure 16 - Continued

| | | | | | | |
|-----|--|-------------|---|-------|---|-------|
| 622 | catalase | X04076 | 4 | 0.03% | 1 | 0.01% |
| 623 | HSPC067 | AF161552_1 | 4 | 0.03% | 1 | 0.01% |
| 624 | ribosomal RNA 16S gene | AF036006.1 | 4 | 0.03% | 1 | 0.01% |
| 625 | ribosomal protein L8 | Z28407 | 3 | 0.02% | 1 | 0.01% |
| 626 | peripheral myelin protein 22 | M94048 | 3 | 0.02% | 1 | 0.01% |
| 627 | dioxin-inducible cytochrome P450 (CYP1B1) | U03688.1 | 3 | 0.02% | 1 | 0.01% |
| 628 | MAGUK protein p55T (=AB002323 KIAA0325) | AF162130.1 | 3 | 0.02% | 1 | 0.01% |
| 629 | PPP1R5 | AF110824.1 | 3 | 0.02% | 1 | 0.01% |
| 630 | splicing factor SRp40-1 (SRp40) | U30826.1 | 3 | 0.02% | 1 | 0.01% |
| 631 | splicing factor, arginine/serine-rich 5 (RefSeq aa 1e-54) | NP_008856.1 | 3 | 0.02% | 1 | 0.01% |
| 632 | NADH-UBIQUINONE OXIDOREDUCTASE CHAIN 1 | spP03886 | 3 | 0.02% | 1 | 0.01% |
| 633 | HSPC307 | AF161425.1 | 3 | 0.02% | 1 | 0.01% |
| 634 | immunoglobulin light chain | D87000 | 3 | 0.02% | 1 | 0.01% |
| 635 | lysosomal-associated membrane glycoprotein-1 (LAMP1) (=J04182) | L08582 | 3 | 0.02% | 1 | 0.01% |
| 636 | cornichon protein | AF070654.1 | 3 | 0.02% | 1 | 0.01% |
| 637 | okadaic acid-inducible and cAMP-regulated phosphoprotein 19 (ARPP) | AF084555.1 | 3 | 0.02% | 1 | 0.01% |
| 638 | SH3 domain-containing protein SH3P18 | U61167 | 3 | 0.02% | 1 | 0.01% |
| 639 | KIAA1025 | AB028948.1 | 3 | 0.02% | 1 | 0.01% |
| 640 | LGMD2B | AJ007973 | 3 | 0.02% | 1 | 0.01% |
| 641 | CAR (RFP2) | AF279660 | 3 | 0.02% | 1 | 0.01% |
| 642 | NADH dehydrogenase(ubiquinone) 1 beta subcomplex, 3 (12kD, B12) | NM_002491.1 | 3 | 0.02% | 1 | 0.01% |
| 643 | KIAA0579 | AB011151.1 | 3 | 0.02% | 1 | 0.01% |
| 644 | KIAA0977 | AB023194.1 | 3 | 0.02% | 1 | 0.01% |
| 645 | KIAA0573 | AB011145 | 3 | 0.02% | 1 | 0.01% |
| 646 | polyadenylate binding protein-interacting protein 1 (PAIP1) | NM_006451.1 | 3 | 0.02% | 1 | 0.01% |
| 647 | Translocon associated protein gamma subunit | spQ9UNL2 | 3 | 0.02% | 1 | 0.01% |
| 648 | secreted frizzled-related protein 4 (SFRP4) | NM_003014.2 | 3 | 0.02% | 1 | 0.01% |
| 649 | phosphatase 1, catalytic subunit, gamma isoform (PPP1CC) mRNA | NM_002710.1 | 3 | 0.02% | 1 | 0.01% |
| 650 | ring finger protein (C3H2C3 type) 6 (RNF6) | NM_005977.1 | 3 | 0.02% | 1 | 0.01% |
| 651 | putative transmembrane protein E3-16 | AF092128.1 | 3 | 0.02% | 1 | 0.01% |
| 652 | epithelial protein lost in neoplasm beta (EPLIN) | NM_016357.1 | 3 | 0.02% | 1 | 0.01% |
| 653 | laminin receptor 1 (67kD, ribosomal protein SA) (LAMR1)(ORF) | NM_002295.1 | 2 | 0.02% | 1 | 0.01% |
| 654 | t-complex-associated-testis-expressed 1-like 1 (TCTEL1) | NM_006519.1 | 2 | 0.02% | 1 | 0.01% |
| 655 | collagen type XIV variant C-terminal NC1 and 3'UTR | Y11711 | 2 | 0.02% | 1 | 0.01% |
| 656 | reverse transcriptase related protein | prf1207289A | 2 | 0.02% | 1 | 0.01% |
| 657 | JKTBP2, JKTBP1, complete cds | AB017018.1 | 2 | 0.02% | 1 | 0.01% |
| 658 | latent transforming growth factor beta binding protein 1 (LTBP1) | NM_000627.1 | 2 | 0.02% | 1 | 0.01% |
| 659 | laminin B2 chain | M55210 | 2 | 0.02% | 1 | 0.01% |
| 660 | HSPC025 (HSPC025) | NM_016091.1 | 2 | 0.02% | 1 | 0.01% |
| 661 | insulin-like growth factor I | X57025 | 2 | 0.02% | 1 | 0.01% |
| 662 | clathrin, light polypeptide (Lca) (CLTA) | NM_007096.1 | 2 | 0.02% | 1 | 0.01% |
| 663 | IDN3 | AB019494.1 | 2 | 0.02% | 1 | 0.01% |
| 664 | KIAA0069 gene | D31885.1 | 2 | 0.02% | 1 | 0.01% |
| 665 | immunoglobulin lambda gene | D87003.1 | 2 | 0.02% | 1 | 0.01% |
| 666 | KIAA0038 gene | D26068.1 | 2 | 0.02% | 1 | 0.01% |
| 667 | disabled 2 p93 (DAB2) (mitogen-responsive phosphoprotein) (DAB2) | AF188298.1 | 2 | 0.02% | 1 | 0.01% |
| 668 | CD36 antigen | L06850.1 | 2 | 0.02% | 1 | 0.01% |
| 669 | guanine nucleotide binding protein 11 (GNG11) = U31384.1 | NM_004126.1 | 2 | 0.02% | 1 | 0.01% |
| 670 | KIAA0436 | AB007896 | 2 | 0.02% | 1 | 0.01% |
| 671 | conserved gene amplified in osteosarcoma (OS4) | NM_005730.1 | 2 | 0.02% | 1 | 0.01% |
| 672 | mitochondrial coxII | X55654.1 | 2 | 0.02% | 1 | 0.01% |
| 673 | cytochrome C oxidase II subunit (ORF) | X55654 | 2 | 0.02% | 1 | 0.01% |

Figure 16 - Continued

| | | | | | | |
|-----|--|-------------|---|-------|---|-------|
| 674 | NADH-ubiquinone oxidoreductase subunit CI-B14 | AF047182 | 2 | 0.02% | 1 | 0.01% |
| 675 | mouse tropomyosin homolog (HSPC001) = AF047439(ORF) | NM_004872.1 | 2 | 0.02% | 1 | 0.01% |
| 676 | heterogeneous nuclear ribonucleoprotein R (ORF) | AF000364 | 2 | 0.02% | 1 | 0.01% |
| 677 | destrin (actin depolymerizing factor) (ADF) | 5802965 | 2 | 0.02% | 1 | 0.01% |
| 678 | KIAA0127 | NM_014755.1 | 2 | 0.02% | 1 | 0.01% |
| 679 | KIAA0577 | AB011149 | 2 | 0.02% | 1 | 0.01% |
| 680 | PTH-responsive osteosarcoma D1 protein | AAD25980.1 | 2 | 0.02% | 1 | 0.01% |
| 681 | Polyadenylate binding protein | U75686.1 | 2 | 0.02% | 1 | 0.01% |
| 682 | lymphocyte activation-associated protein | AF123320.1 | 2 | 0.02% | 1 | 0.01% |
| 683 | calcineurin A2 | M29551 | 2 | 0.02% | 1 | 0.01% |
| 684 | KIAA0610 | AB011182 | 2 | 0.02% | 1 | 0.01% |
| 685 | SRY (sex-determining region Y)-box 5 (SOX5) | NM_006940.1 | 2 | 0.02% | 1 | 0.01% |
| 686 | glucan (1,4-alpha-), branching enzyme 1(ORF)(glycogen branching enz | NM_000158.1 | 2 | 0.02% | 1 | 0.01% |
| 687 | p58/GTA (galactosyltransferase associated protein kinase) | M37712.1 | 2 | 0.02% | 1 | 0.01% |
| 688 | mesenchyme homeo box 2 (growth arrest-specific homeo box) (MEOX | NM_005924.1 | 2 | 0.02% | 1 | 0.01% |
| 689 | proteasome (prosome, macropain) subunit, alpha type, 2 (PSMA2) | NM_002787.1 | 2 | 0.02% | 1 | 0.01% |
| 690 | G protein-coupled receptor 64 (GPR64) | NM_005756.1 | 2 | 0.02% | 1 | 0.01% |
| 691 | germline T-cell receptor beta chain | U66061 | 2 | 0.02% | 1 | 0.01% |
| 692 | SH3 domain binding glutamic acid-rich protein like (SH3BGRL) | NM_003022.1 | 2 | 0.02% | 1 | 0.01% |
| 693 | KIAA0256 | D87445 | 2 | 0.02% | 1 | 0.01% |
| 694 | KIAA1102 | AB029025.1 | 2 | 0.02% | 1 | 0.01% |
| 695 | KIAA1380 protein | AB037801.1 | 2 | 0.02% | 1 | 0.01% |
| 696 | angiopoietin-like 1 (ANGPTL1) | NM_004673.1 | 2 | 0.02% | 1 | 0.01% |
| 697 | uncharacterized hypothalamus protein HARP11 (HARP11) | NM_018477.1 | 2 | 0.02% | 1 | 0.01% |
| 698 | multiple PDZ domain protein (MPDZ) = AF093419.1 | NM_003829.1 | 2 | 0.02% | 1 | 0.01% |
| 699 | proto-oncogene tyrosine-protein kinase (ABL) gene | U07563.1 | 2 | 0.02% | 1 | 0.01% |
| 700 | v-yes-1 Yamaguchi sarcoma viral oncogene homolog 1 (YES1) | NM_005433.1 | 2 | 0.02% | 1 | 0.01% |
| 701 | inactive progesterone receptor, 23 kD (P23) = L24804.1= Q15185 (orf | NM_006601.1 | 2 | 0.02% | 1 | 0.01% |
| 702 | histone acetyltransferase 1 | AF030424 | 2 | 0.02% | 1 | 0.01% |
| 703 | small acidic protein (IMAGE145052) | NM_014267.1 | 2 | 0.02% | 1 | 0.01% |
| 704 | CGI-99 protein = homeobox prox 1= AF100755.1(ORF) | AF151857 | 2 | 0.02% | 1 | 0.01% |
| 705 | mSin3A (sin3A) | U22394 | 2 | 0.02% | 1 | 0.01% |
| 706 | CG3450 gene product [Drosophila melanogaster](86% ORF) | AAF57398.1 | 2 | 0.02% | 1 | 0.01% |
| 707 | ENDOPLASMIN PRECURSOR (94 KD GLUCOSE-REGULATED PRO | spP14625 | 2 | 0.02% | 1 | 0.01% |
| 708 | gene hY3 encoding a cytoplasmic Ro RNA | V00585.1 | 2 | 0.02% | 1 | 0.01% |
| 709 | HSPC004 | AF070660 | 2 | 0.02% | 1 | 0.01% |
| 710 | HSPC161 | AF161510 | 2 | 0.02% | 1 | 0.01% |
| 711 | KIAA0205 | D86960 | 2 | 0.02% | 1 | 0.01% |
| 712 | KIAA0238 | D87075 | 2 | 0.02% | 1 | 0.01% |
| 713 | KIAA0716 | AB018259.1 | 2 | 0.02% | 1 | 0.01% |
| 714 | SUMO-1 activating enzyme subunit 2 (UBA2) | NM_005499.1 | 2 | 0.02% | 1 | 0.01% |
| 715 | TEB4 protein (=AB011169 KIAA0597) | AF009301 | 2 | 0.02% | 1 | 0.01% |
| 716 | XIST | X56196 | 2 | 0.02% | 1 | 0.01% |
| 717 | nCL1 gene | X85032.1 | 2 | 0.02% | 1 | 0.01% |
| 718 | small nuclear ribonucleoprotein D1 polypeptide (16kD) (SNRPD1) | NM_006938.1 | 2 | 0.02% | 1 | 0.01% |
| 719 | ALEX1 protein (LOC51309) | NM_016608.1 | 2 | 0.02% | 1 | 0.01% |
| 720 | MHC class II lymphocyte antigen beta-chain (HLA-DPB1) | M28202.1 | 2 | 0.02% | 1 | 0.01% |
| 721 | cAMP-dependent protein kinase subunit RII-beta | M31158 | 2 | 0.02% | 1 | 0.01% |
| 722 | protein kinase, cAMP-dependent, regulatory, type I, alpha (tissue spec | NM_002734.1 | 2 | 0.02% | 1 | 0.01% |
| 723 | rab11a GTPase | AF000231 | 2 | 0.02% | 1 | 0.01% |
| 724 | rab3 GTPase-activating protein, non-catalytic subunit (150kD) (RAB3-C | NM_012414.1 | 2 | 0.02% | 1 | 0.01% |
| 725 | Ca2-activated neutral protease large subunit (CANP) | M23254.1 | 2 | 0.02% | 1 | 0.01% |

Figure 16 - Continued

| | | | | | | |
|-----|--|-------------|---|-------|---|-------|
| 726 | histone H2A.Z= M37583 | X52317 | 2 | 0.02% | 1 | 0.01% |
| 727 | inhibitor of apoptosis protein 2 | U45879 | 2 | 0.02% | 1 | 0.01% |
| 728 | KIAA0594 | AB011166 | 2 | 0.02% | 1 | 0.01% |
| 729 | ring finger protein 13 (RNF13), mRNA /cds=(151,1296) /gb=NM_007256 | Hs.6900 | 2 | 0.02% | 1 | 0.01% |
| 730 | ribosomal protein S18 | X69150.1 | 1 | 0.01% | 1 | 0.01% |
| 731 | ribosomal protein S5 (RPS5) | NM_001009.1 | 1 | 0.01% | 1 | 0.01% |
| 732 | metallothionein-II (mt-II) | J00271 | 1 | 0.01% | 1 | 0.01% |
| 733 | v-fos FBJ murine osteosarcoma viral oncogene homolog (FOS) | NM_005252.2 | 1 | 0.01% | 1 | 0.01% |
| 734 | deiodinase, iodothyronine, type II (DIO2), transCRipt variant 1 | gi7549802 | 1 | 0.01% | 1 | 0.01% |
| 735 | insulin-like growth factor binding protein 5 (IGFBP5) gene | L27556.1 | 1 | 0.01% | 1 | 0.01% |
| 736 | enhancer-of-split and hairy-related protein 1 (SHARP-1) | AF009329.1 | 1 | 0.01% | 1 | 0.01% |
| 737 | colon carcinoma laminin-binding protein (=RIBOSOMAL PROTEIN SA) | J03799.1 | 1 | 0.01% | 1 | 0.01% |
| 738 | transmembrane protein (p63) | X69910 | 1 | 0.01% | 1 | 0.01% |
| 739 | peroxiredoxin 1 (PRDX1) (=NKEFA) | NM_002574.1 | 1 | 0.01% | 1 | 0.01% |
| 740 | RIBOSOMAL PROTEIN SA (P40) | spP08865 | 1 | 0.01% | 1 | 0.01% |
| 741 | WSB-1 isoform | AF106684.1 | 1 | 0.01% | 1 | 0.01% |
| 742 | high-mobility group (nonhistone chromosomal) protein 17 (HMG17) | NM_005517.1 | 1 | 0.01% | 1 | 0.01% |
| 743 | prostatic binding protein (PBP) | NM_002567.1 | 1 | 0.01% | 1 | 0.01% |
| 744 | complement component 1, s subcomponent (C1S) | NM_001734.1 | 1 | 0.01% | 1 | 0.01% |
| 745 | dual specificity phosphatase 1 (DUSP1) | NM_004417.2 | 1 | 0.01% | 1 | 0.01% |
| 746 | KIAA0143 gene | D63477.1 | 1 | 0.01% | 1 | 0.01% |
| 747 | non-metastatic cells 2, protein (NM23B) expressed in (NME2) | NM_002512.1 | 1 | 0.01% | 1 | 0.01% |
| 748 | high density lipoprotein binding protein (HBP) | M64098 | 1 | 0.01% | 1 | 0.01% |
| 749 | cathepsin L (CTSL) | NM_001912.1 | 1 | 0.01% | 1 | 0.01% |
| 750 | NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 1 (7kD, MNLL) | NM_004545.1 | 1 | 0.01% | 1 | 0.01% |
| 751 | cyclophilin-related protein (NKTR) gene (=PAC RPC14-613B23) | AF184110.1 | 1 | 0.01% | 1 | 0.01% |
| 752 | U50HG genes for U50' snoRNA and U50 snoRNA, complete sequence | AB017710 | 1 | 0.01% | 1 | 0.01% |
| 753 | RAD21 (S. pombe) homolog (RAD21) (=X98294) | gi5453993 | 1 | 0.01% | 1 | 0.01% |
| 754 | myeloid/lymphoid or mixed-lineage leukemia (trithorax (Drosophila) hom | NM_005935.1 | 1 | 0.01% | 1 | 0.01% |
| 755 | chaperonin containing TCP1 subunit 4 (delta) (CCT4) | NM_006430.1 | 1 | 0.01% | 1 | 0.01% |
| 756 | Membrane cofactor protein | X59408.1 | 1 | 0.01% | 1 | 0.01% |
| 757 | KIAA0349 gene | AB002347.1 | 1 | 0.01% | 1 | 0.01% |
| 758 | p130 (130K protein) | X76061.1 | 1 | 0.01% | 1 | 0.01% |
| 759 | ORF2 [Canis familiaris](60%) | AB012223 | 1 | 0.01% | 1 | 0.01% |
| 760 | karyopherin (importin) beta 1 (KPNB1) (=L38951 importin beta subunit) | gi4504904 | 1 | 0.01% | 1 | 0.01% |
| 761 | signal peptidase complex (18kD) (SPC18) | NM_014300.1 | 1 | 0.01% | 1 | 0.01% |
| 762 | hexosaminidase B (beta polypeptide) (HEXB)(ORF) | NM_000521.1 | 1 | 0.01% | 1 | 0.01% |
| 763 | four and a half LIM domains 1 (FHL1) | NM_001449.1 | 1 | 0.01% | 1 | 0.01% |
| 764 | fibroblast growth factor 2 (basic)(FGF2) | NM_002006.1 | 1 | 0.01% | 1 | 0.01% |
| 765 | NADH dehydrogenase(ubiquinone) 1, alpha/beta subcomplex, 1 (8kD, | NM_005003.1 | 1 | 0.01% | 1 | 0.01% |
| 766 | 5T4 oncofetal trophoblast glycoprotein (5T4) | NM_006670.1 | 1 | 0.01% | 1 | 0.01% |
| 767 | Autosomal Highly Conserved Protein (AHCP) (=DKFZp586G051) | NM_016255.1 | 1 | 0.01% | 1 | 0.01% |
| 768 | KIAA0853 | AB020660.1 | 1 | 0.01% | 1 | 0.01% |
| 769 | meningioma-expressed antigen 5 (MEA5) (=KIAA0679) | AF036145 | 1 | 0.01% | 1 | 0.01% |
| 770 | PTEN (PTEN) gene | AF143312.1 | 1 | 0.01% | 1 | 0.01% |
| 771 | prolylcarboxypeptidase (angiotensinase C) (PRCP) | NM_005040.1 | 1 | 0.01% | 1 | 0.01% |
| 772 | GLI-Kruppel family member GLI3 (Greig cephalopolysyndactyly syndro | gi4504014 | 1 | 0.01% | 1 | 0.01% |
| 773 | zinc finger protein 84 (HPF2) (ZNF84) | NM_003428.1 | 1 | 0.01% | 1 | 0.01% |
| 774 | RNA polymerase II subunit hSRPB7 | U20659.1 | 1 | 0.01% | 1 | 0.01% |
| 775 | tubulin-specific chaperone a (TBCA) (=AF038952 cofactor A protein) | gi4759211 | 1 | 0.01% | 1 | 0.01% |
| 776 | polycystic kidney disease 2 (autosomal dominant) | NM_000297.1 | 1 | 0.01% | 1 | 0.01% |
| 777 | oxysterol-binding protein | AB017026 | 1 | 0.01% | 1 | 0.01% |

Figure 16 - Continued

| | | | | | | |
|-----|---|-------------|---|-------|---|-------|
| 778 | ubiquinol-cytochrome c reductase core protein II (UQCRC2)(ORF) = JC | NM_003366.1 | 1 | 0.01% | 1 | 0.01% |
| 779 | NADH-UBIQUINONE OXIDOREDUCTASE CHAIN 4L | spP03901 | 1 | 0.01% | 1 | 0.01% |
| 780 | thioredoxin peroxidase (antioxidant enzyme) (AOE372) =U25182(ORF) | NM_006406.1 | 1 | 0.01% | 1 | 0.01% |
| 781 | cytoskeletal tropomyosin TM30(nm) | X04588.1 | 1 | 0.01% | 1 | 0.01% |
| 782 | ring finger protein 4 (RNF4) | gi4506560 | 1 | 0.01% | 1 | 0.01% |
| 783 | TSE1=protein kinase A regulatory subunit | S54711 | 1 | 0.01% | 1 | 0.01% |
| 784 | SUMO-1-specific protease (KIAA0797) | NM_015571.1 | 1 | 0.01% | 1 | 0.01% |
| 785 | myosin-binding protein C, cardiac (MYBPC3) | NM_000256.1 | 1 | 0.01% | 1 | 0.01% |
| 786 | ATP synthase, H transporting, mitochondrial F0 complex, subunit f, iso | NM_004889.1 | 1 | 0.01% | 1 | 0.01% |
| 787 | hect domain and RLD 2(HERC2) (=KIAA0393) | NM_004667.2 | 1 | 0.01% | 1 | 0.01% |
| 788 | integrin cytoplasmic domain associated protein (Icap-1a) | AF012023 | 1 | 0.01% | 1 | 0.01% |
| 789 | BUP | AF078848.1 | 1 | 0.01% | 1 | 0.01% |
| 790 | KIAA0235 | D87078 | 1 | 0.01% | 1 | 0.01% |
| 791 | PDNP1 gene (nucleotide pyrophosphatase) | AF110304.1 | 1 | 0.01% | 1 | 0.01% |
| 792 | phosphoribosyl pyrophosphate synthetase subunit I | D00860.1 | 1 | 0.01% | 1 | 0.01% |
| 793 | wbsCR1 (WBSCR1) | AF045555.1 | 1 | 0.01% | 1 | 0.01% |
| 794 | proteasome (prosome, macropain) subunit, alpha type, 3 (PSMA3) | NM_002788.1 | 1 | 0.01% | 1 | 0.01% |
| 795 | CLP (CLPP) | L54057.1 | 1 | 0.01% | 1 | 0.01% |
| 796 | Tax1 (human T-cell leukemia virus type I) binding protein 1 (TAX1BP1) | NM_006024.2 | 1 | 0.01% | 1 | 0.01% |
| 797 | platelet-activating factor acetylhydrolase, isoform 1b, alpha subunit (PA | 4557740 | 1 | 0.01% | 1 | 0.01% |
| 798 | transferrin receptor (TFRC) gene | AF187320 | 1 | 0.01% | 1 | 0.01% |
| 799 | CGI-127 protein | AF151885.1 | 1 | 0.01% | 1 | 0.01% |
| 800 | microvascular endothelial differentiation gene 1 product | AB026908.1 | 1 | 0.01% | 1 | 0.01% |
| 801 | vanilloid receptor, CARKL and CTNS; TIP1; P2X5b and P2X5a | AF168787.1 | 1 | 0.01% | 1 | 0.01% |
| 802 | vitiligo-associated protein VIT-1 (VIT1) (=DKFZp564K2364) | AF264714.1 | 1 | 0.01% | 1 | 0.01% |
| 803 | small EDRK-rich factor 1, long isoform (SERF1) (=bt2p44) | AF073519.1 | 1 | 0.01% | 1 | 0.01% |
| 804 | translin | X78627 | 1 | 0.01% | 1 | 0.01% |
| 805 | ionizing radiation resistance conferring protein (=X83544 DAP-3) | U18321 | 1 | 0.01% | 1 | 0.01% |
| 806 | CGI-116 protein(LOC51019)(ORF)= AF155655 protein x 0009 mRNA | NM_016053.1 | 1 | 0.01% | 1 | 0.01% |
| 807 | tropomyosin | M19267 | 1 | 0.01% | 1 | 0.01% |
| 808 | hXBP-1 transcription factor DNA (=TREB protein) | L13850.1 | 1 | 0.01% | 1 | 0.01% |
| 809 | KARP-1-binding protein 3 (=KIAA0470) | AB022659.1 | 1 | 0.01% | 1 | 0.01% |
| 810 | inducible 6-phosphofructo-2-kinase/fructose 2,6-bisphosphatase (IPFK | AF056320 | 1 | 0.01% | 1 | 0.01% |
| 811 | GTPase activating protein (rap1GAP) | M64788 | 1 | 0.01% | 1 | 0.01% |
| 812 | guanine nucleotide binding protein (G protein), alpha inhibiting activity | NM_006496.1 | 1 | 0.01% | 1 | 0.01% |
| 813 | COX VIa-L cytochrome c oxidase liver-specific subunit VIa (EC 1.9.3.1 | X15341.1 | 1 | 0.01% | 1 | 0.01% |
| 814 | integrin, beta 5 (ITGB5) | NM_002213.1 | 1 | 0.01% | 1 | 0.01% |
| 815 | DNA topoisomerase II (TOP2) | Z15115 | 1 | 0.01% | 1 | 0.01% |
| 816 | squalene epoxidase | D78129 | 1 | 0.01% | 1 | 0.01% |
| 817 | Krueppel-related DNA-binding protein (PF4) | M61866 | 1 | 0.01% | 1 | 0.01% |
| 818 | RNA helicase | AJ223948 | 1 | 0.01% | 1 | 0.01% |
| 819 | nuclear receptor subfamily 3, group C, member 1 (NR3C1) | NM_000176.1 | 1 | 0.01% | 1 | 0.01% |
| 820 | potassium channel modulatory factor (=DKFZp434L1021) | AF155652.1 | 1 | 0.01% | 1 | 0.01% |
| 821 | nuclear phosphoprotein similar to S. cerevisiae | NM_007062.1 | 1 | 0.01% | 1 | 0.01% |
| 822 | COP9 complex subunit 4 (LOC51138) | NM_016129.1 | 1 | 0.01% | 1 | 0.01% |
| 823 | endomembrane protein EMP70 precursor isologue | U95973 | 1 | 0.01% | 1 | 0.01% |
| 824 | adipocyte acid phosphatase beta=phenylarsine oxide-sensitive tyrosyl | S62885.1 | 1 | 0.01% | 1 | 0.01% |
| 825 | dead box, X isoform (DBX) | AF000982.1 | 1 | 0.01% | 1 | 0.01% |
| 826 | major histocompatibility locus class III regions Hsc70l (smRNP, G7A, N | AF109905 | 1 | 0.01% | 1 | 0.01% |
| 827 | ankyrin G (ANK-3) | U13616.1 | 1 | 0.01% | 1 | 0.01% |
| 828 | spectrin beta protein (pAZSP 3' end) | X91849.2 | 1 | 0.01% | 1 | 0.01% |
| 829 | antigen NY-CO-1 (NY-CO-1) | AF039687.1 | 1 | 0.01% | 1 | 0.01% |

Figure 16 - Continued

| | | | | | | |
|-----|---|-------------|---|-------|---|-------|
| 830 | GS3955 | D87119 | 1 | 0.01% | 1 | 0.01% |
| 831 | HBV pX associated protein-8 (LOC51773) | NM_016578.1 | 1 | 0.01% | 1 | 0.01% |
| 832 | hyperion gene | AJ010770 | 1 | 0.01% | 1 | 0.01% |
| 833 | KIAA0090 | D42044 | 1 | 0.01% | 1 | 0.01% |
| 834 | KIAA0170 | D79992 | 1 | 0.01% | 1 | 0.01% |
| 835 | KIAA0379 | AB002377 | 1 | 0.01% | 1 | 0.01% |
| 836 | myeloid cell nuclear differentiation antigen | M81750 | 1 | 0.01% | 1 | 0.01% |
| 837 | peroxisomal acyl-CoA: dihydroxyacetonephosphate acyltransferase (DHAPAT) | AF043937 | 1 | 0.01% | 1 | 0.01% |
| 838 | serologically defined colon cancer antigen 1 (SDCCAG1) | NM_004713.1 | 1 | 0.01% | 1 | 0.01% |
| 839 | suppressor of G2 allele | NM_006704.1 | 1 | 0.01% | 1 | 0.01% |
| 840 | methylene tetrahydrofolate dehydrogenase (NAD dependent), methylenetetrahydrofolate | NM_006636.1 | 1 | 0.01% | 1 | 0.01% |
| 841 | aspartyl glucosaminidase (AGA) | X55330 | 1 | 0.01% | 1 | 0.01% |
| 842 | osteoblast specific cysteine-rich protein, complete cds | AB008375 | 1 | 0.01% | 1 | 0.01% |
| 843 | glutamic-oxaloacetic transaminase 2, mitochondrial (aspartate aminotransferase 2) | NM_002080.1 | 1 | 0.01% | 1 | 0.01% |
| 844 | proteinX0008 (AD013) | NM_013395.1 | 1 | 0.01% | 1 | 0.01% |
| 845 | ubiquitin-activating enzyme E1C (homologous to yeast UBA3) (UBE1C) | gi4507764 | 1 | 0.01% | 1 | 0.01% |
| 846 | CCAAT-box-binding transcription factor (CBF2) | NM_005760.1 | 1 | 0.01% | 1 | 0.01% |
| 847 | c-Cbl-interacting protein (CIN85) | AF230904.1 | 1 | 0.01% | 1 | 0.01% |
| 848 | GA-binding protein transcription factor, beta subunit 1 (53kD) (GABPB) | NM_016654.1 | 1 | 0.01% | 1 | 0.01% |
| 849 | thyroid receptor interactor (TRIP3) | L40410.1 | 1 | 0.01% | 1 | 0.01% |
| 850 | ZNF01 and HUMORFKG1B genes, partial sequence | AF205588.1 | 1 | 0.01% | 1 | 0.01% |
| 851 | endoplasmic reticulum luminal Ca ²⁺ binding protein grp78 | AF216292.1 | 1 | 0.01% | 1 | 0.01% |
| 852 | leukophysin (LKP) = NM_001357.1 DEAD/H box polypeptide 9 (DDX9) | U03643.1 | 1 | 0.01% | 1 | 0.01% |
| 853 | CGI-129 protein | AF151887.1 | 1 | 0.01% | 1 | 0.01% |
| 854 | CGI-86 protein (LOC51635) | NM_016029.1 | 1 | 0.01% | 1 | 0.01% |
| 855 | LIC-2 dynein light intermediate chain 53/55 | U15138.1 | 1 | 0.01% | 1 | 0.01% |
| 856 | protein 4.1-G, erythrocyte membrane protein (clone 24719) | AF054999 | 1 | 0.01% | 1 | 0.01% |
| 857 | tropomodulin (TMOD) | M77016 | 1 | 0.01% | 1 | 0.01% |
| 858 | TIP120 (=AB020636 KIAA0829) | D87671 | 1 | 0.01% | 1 | 0.01% |
| 859 | orphan G protein-coupled receptor (RDC1) | U67784 | 1 | 0.01% | 1 | 0.01% |
| 860 | mitogen-activated protein kinase 14 (MAPK14) | 4503068 | 1 | 0.01% | 1 | 0.01% |
| 861 | ralA binding protein 1 (RALBP1) | NM_006788.1 | 1 | 0.01% | 1 | 0.01% |
| 862 | C-type lectin | BAA95671.1 | 1 | 0.01% | 1 | 0.01% |
| 863 | non-histone chromosomal protein HMG-14 | M21339.1 | 1 | 0.01% | 1 | 0.01% |
| 864 | NCK adaptor protein 1(NCK1)=X17576 melanoma mRNA for nck protein | NM_006153.1 | 1 | 0.01% | 1 | 0.01% |
| 865 | cargo selection protein TIP47 (TIP47)(=PP17) | AF057140 | 1 | 0.01% | 1 | 0.01% |
| 866 | CGI-43 protein | AF151801.1 | 1 | 0.01% | 1 | 0.01% |
| 867 | DNA repair helicase (ERCC3) | M31899.1 | 1 | 0.01% | 1 | 0.01% |
| 868 | UDP-GalNAc: polypeptide N-acetylgalactosaminyltransferase (T1) | X85018 | 1 | 0.01% | 1 | 0.01% |
| 869 | SMT3 (suppressor of mif two 3, yeast) homolog 1 (SMT3H1) | NM_006936.1 | 1 | 0.01% | 1 | 0.01% |
| 870 | solute carrier family 20 (phosphate transporter), member 1 (SLC20A1) | 7382462 | 1 | 0.01% | 1 | 0.01% |
| 871 | glycogen phosphorylase | Y15233 | 1 | 0.01% | 1 | 0.01% |
| 872 | ribonuclease L (2',5'-oligoadenylate synthetase-dependent) inhibitor | 4506558 | 1 | 0.01% | 1 | 0.01% |
| 873 | lymphocyte dihydropyrimidine dehydrogenase (DPYD) | U20938 | 1 | 0.01% | 1 | 0.01% |
| 874 | ubiquitin carboxyl-terminal esterase L3 (ubiquitin thioesterase) (UCHL1) | NM_006002.1 | 1 | 0.01% | 1 | 0.01% |
| 875 | nuclear receptor coactivator (=TRBP) | AF245115 | 1 | 0.01% | 1 | 0.01% |
| 876 | serine kinase SRPK2 | U88666 | 1 | 0.01% | 1 | 0.01% |
| 877 | acyl-coenzyme A: cholesterol acyltransferase (ORF) | L21934.2 | 1 | 0.01% | 1 | 0.01% |
| 878 | NADP dependent cytoplasmic malic enzyme (=U43944) | X77244 | 1 | 0.01% | 1 | 0.01% |
| 879 | leucine rich repeat (in FLII) interacting protein 1 (LRRFIP1) (=GCF2) | NM_004735.1 | 1 | 0.01% | 1 | 0.01% |
| 880 | metalloprotease/disintegrin/cysteine-rich protein precursor (MDC9) (=D) | U41766 | 1 | 0.01% | 1 | 0.01% |
| 881 | host cell factor 2 (HCF-2) | NM_013320.1 | 1 | 0.01% | 1 | 0.01% |

Figure 16 - Continued

| | | | | | | |
|-----|--|-------------|---|-------|---|-------|
| 882 | X-ray repair complementing defective repair in Chinese hamster cells 4 | gi4507944 | 1 | 0.01% | 1 | 0.01% |
| 883 | cardiac myosin binding protein-C (ORF) | X84075 | 1 | 0.01% | 1 | 0.01% |
| 884 | unc-50 related protein homologue | AF077038.1 | 1 | 0.01% | 1 | 0.01% |
| 885 | activated in tumor suppression | AJ012502.1 | 1 | 0.01% | 1 | 0.01% |
| 886 | cytokine-inducible SH2 protein 6 (CISH6) (=AB014571 KIAA0671) | AF073958.1 | 1 | 0.01% | 1 | 0.01% |
| 887 | DAPIT protein | AJ271158 | 1 | 0.01% | 1 | 0.01% |
| 888 | HepG2 3' region Mbol cDNA, clone hmd3c06m3 | D17196.1 | 1 | 0.01% | 1 | 0.01% |
| 889 | KIAA0006 | D25304 | 1 | 0.01% | 1 | 0.01% |
| 890 | KIAA0041 | D26069 | 1 | 0.01% | 1 | 0.01% |
| 891 | KIAA0095 gene | NM_014669.1 | 1 | 0.01% | 1 | 0.01% |
| 892 | KIAA0227 | D86980 | 1 | 0.01% | 1 | 0.01% |
| 893 | KIAA0862=leucine-rich repeat protein SHOC-2 (SHOC-2)=AF054828 | AB020669 | 1 | 0.01% | 1 | 0.01% |
| 894 | KIAA0934 protein | AB023151.1 | 1 | 0.01% | 1 | 0.01% |
| 895 | KIAA0997 | NM_014950.1 | 1 | 0.01% | 1 | 0.01% |
| 896 | KIAA1033 | AB028956.1 | 1 | 0.01% | 1 | 0.01% |
| 897 | KIAA1423 | AB037844.1 | 1 | 0.01% | 1 | 0.01% |
| 898 | La/SS-B protein | X69804 | 1 | 0.01% | 1 | 0.01% |
| 899 | maternal-embryonic 3 (Mem3) | U47024 | 1 | 0.01% | 1 | 0.01% |
| 900 | PB1 | X90849 | 1 | 0.01% | 1 | 0.01% |
| 901 | SCID complementing gene 2 | D78188.1 | 1 | 0.01% | 1 | 0.01% |
| 902 | TCTEL1 (t-complex-associated-testis-expressed 1-like 1) | D50663.1 | 1 | 0.01% | 1 | 0.01% |
| 903 | UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglucosamin | gi8393408 | 1 | 0.01% | 1 | 0.01% |
| 904 | galactocerebrosidase (GALC) gene | L38559 | 1 | 0.01% | 1 | 0.01% |
| 905 | QUINONE OXIDOREDUCTASE (NADPH:QUINONE REDUCTASE) (| spQ08257 | 1 | 0.01% | 1 | 0.01% |
| 906 | proline arginine-rich end leucine-rich repeat protein (PRELP) =U29089 | NM_002725.1 | 1 | 0.01% | 1 | 0.01% |
| 907 | selenoprotein T(LOC51714) | NM_016275.1 | 1 | 0.01% | 1 | 0.01% |
| 908 | eukaryotic translation initiation factor 2 alpha kinase PEK | AF110146 | 1 | 0.01% | 1 | 0.01% |
| 909 | EUKARYOTIC TRANSLATION INITIATION FACTOR 5 (EIF-5) | spP55010 | 1 | 0.01% | 1 | 0.01% |
| 910 | translational inhibitor protein p14.5 (UK114) = X95384.1 | NM_005836.1 | 1 | 0.01% | 1 | 0.01% |
| 911 | translin associated protein X | X95073 | 1 | 0.01% | 1 | 0.01% |
| 912 | ATP-dependent metalloprotease YME1L (contains Alu repeat) | AJ132637.1 | 1 | 0.01% | 1 | 0.01% |
| 913 | proteasome subunit p42 | D78275 | 1 | 0.01% | 1 | 0.01% |
| 914 | sorting nexin 14 (SNX14) | AF121863.1 | 1 | 0.01% | 1 | 0.01% |
| 915 | TIMP3 tissue inhibitor of metalloproteinases-3 | X76227 | 1 | 0.01% | 1 | 0.01% |
| 916 | ubiquitin conjugating enzyme, UbcH6 | X92963 | 1 | 0.01% | 1 | 0.01% |
| 917 | ubiquitin-conjugating enzyme E2D 3 (homologous to yeast UBC4/5) (U | NM_003340.1 | 1 | 0.01% | 1 | 0.01% |
| 918 | ubiquitin-conjugating enzyme E2L 6 (UBE2L6) =AF061736 ubiquitin-co | NM_004223.1 | 1 | 0.01% | 1 | 0.01% |
| 919 | WDR1 protein | AF020260 | 1 | 0.01% | 1 | 0.01% |
| 920 | kaiso (ZNF-kaiso) | gi5803228 | 1 | 0.01% | 1 | 0.01% |
| 921 | retinoblastoma-binding protein 2 (RBBP2) | NM_005056.1 | 1 | 0.01% | 1 | 0.01% |
| 922 | Nuclear protein SA-2 (=STAG2) | Z75331.1 | 1 | 0.01% | 1 | 0.01% |
| 923 | small nuclear ribonucleoprotein polypeptide B" (SNRPB2) | NM_003092.1 | 1 | 0.01% | 1 | 0.01% |
| 924 | mitochondrial 12S and 16S rRNA | J01438 | 1 | 0.01% | 1 | 0.01% |
| 925 | pre-mRNA cleavage factor Im (68kD) (CFIM) (=X67336) | 5901927 | 1 | 0.01% | 1 | 0.01% |
| 926 | male-specific lethal-3 (Drosophila)-like 1 (MSL3L1) (=DKFZp586J1822 | NM_006800.1 | 1 | 0.01% | 1 | 0.01% |
| 927 | nuclear protein stromal antigen 1 (SA-1) | NM_005862.1 | 1 | 0.01% | 1 | 0.01% |
| 928 | coagulation factor V (proaccelerin, labile factor) (F5) | NM_000130.1 | 1 | 0.01% | 1 | 0.01% |
| 929 | truncated SON protein (Son) (=AF161430.1 HSPC312) | AF193607.1 | 1 | 0.01% | 1 | 0.01% |
| 930 | CGI-107 protein | AF151865.1 | 1 | 0.01% | 1 | 0.01% |
| 931 | CGI-60 protein (LOC51626), | NM_016008.1 | 1 | 0.01% | 1 | 0.01% |
| 932 | CGI-81 protein | AF151839.1 | 1 | 0.01% | 1 | 0.01% |
| 933 | Norrie disease protein (NDP) | X65882 | 1 | 0.01% | 1 | 0.01% |

Figure 16 - Continued

| | | | | | | |
|-----|--|-------------|---|-------|---|-------|
| 934 | osteonidogen (=AJ223500 nidogen-2) | D86425 | 1 | 0.01% | 1 | 0.01% |
| 935 | adapter protein CMS | AF146277.1 | 1 | 0.01% | 1 | 0.01% |
| 936 | keratin 18 (K18) | M24842 | 1 | 0.01% | 1 | 0.01% |
| 937 | myotubularin related protein 6 | AF072928 | 1 | 0.01% | 1 | 0.01% |
| 938 | nucleoporin p54 | U63840 | 1 | 0.01% | 1 | 0.01% |
| 939 | B219/OB receptor isoform HuB219.1 | U52912 | 1 | 0.01% | 1 | 0.01% |
| 940 | G protein-coupled receptor 69A (GPR69A) (=p40) | NM_006055.1 | 1 | 0.01% | 1 | 0.01% |
| 941 | h-ryk | X69970.1 | 1 | 0.01% | 1 | 0.01% |
| 942 | RYK tyrosine kinase | S59184.1 | 1 | 0.01% | 1 | 0.01% |
| 943 | low-Mr GTP-binding protein (RAB32) | U59878 | 1 | 0.01% | 1 | 0.01% |
| 944 | abundant in neuroepithelium area (BTG3) (=D64110 ANA) | gi5802989 | 1 | 0.01% | 1 | 0.01% |
| 945 | glioblastoma amplified sequence (GBAS) | AF029786 | 1 | 0.01% | 1 | 0.01% |
| 946 | macrophage-specific colony-stimulating factor (CSF-1) | M37435.1 | 1 | 0.01% | 1 | 0.01% |
| 947 | monocyte chemotactic protein-3 (MCP-3) | X72308 | 1 | 0.01% | 1 | 0.01% |
| 948 | ecotropic viral integration site 5 (EVI5) | NM_005665.1 | 1 | 0.01% | 1 | 0.01% |
| 949 | potassium voltage-gated channel, delayed-rectifier, subfamily S, mem | NM_002252.1 | 1 | 0.01% | 1 | 0.01% |
| 950 | integrin, alpha V(vitronectin receptor, alpha polypeptide, antigen CD51) | NM_002210.1 | 1 | 0.01% | 1 | 0.01% |
| 951 | chromodomain protein, Y chromosome-like (CDYL) =AF081259 | NM_004824.1 | 1 | 0.01% | 1 | 0.01% |
| 952 | GTP-binding protein RAB21 (RAB21) = KIAA0118 | AF091035 | 1 | 0.01% | 1 | 0.01% |
| 953 | neuronal apoptosis inhibitory protein | U19251 | 1 | 0.01% | 1 | 0.01% |
| 954 | proto-oncogene (Wnt-5a) | L20681.1 | 1 | 0.01% | 1 | 0.01% |
| 955 | tumor necrosis factor alpha-induced protein 6 (TNFAIP6) | NM_007115.1 | 1 | 0.01% | 1 | 0.01% |
| 956 | solute carrier family 16 (monocarboxylic acid transporters), member 7 | NM_004731.1 | 1 | 0.01% | 1 | 0.01% |
| 957 | 5' cap guanine-N-7 methyltransferase (RNMT) | AF067791.1 | 1 | 0.01% | 1 | 0.01% |

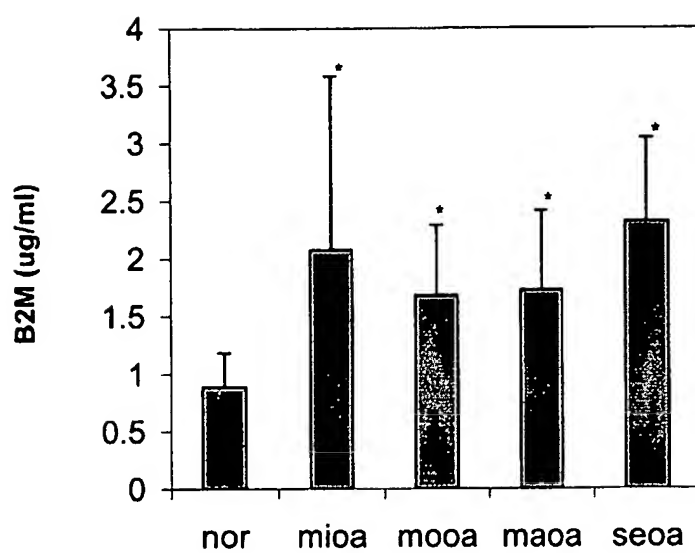
Figure 17 - B2M level in synovial fluid

Figure 18 - B2M levels in severe OA cartilage cultured medium

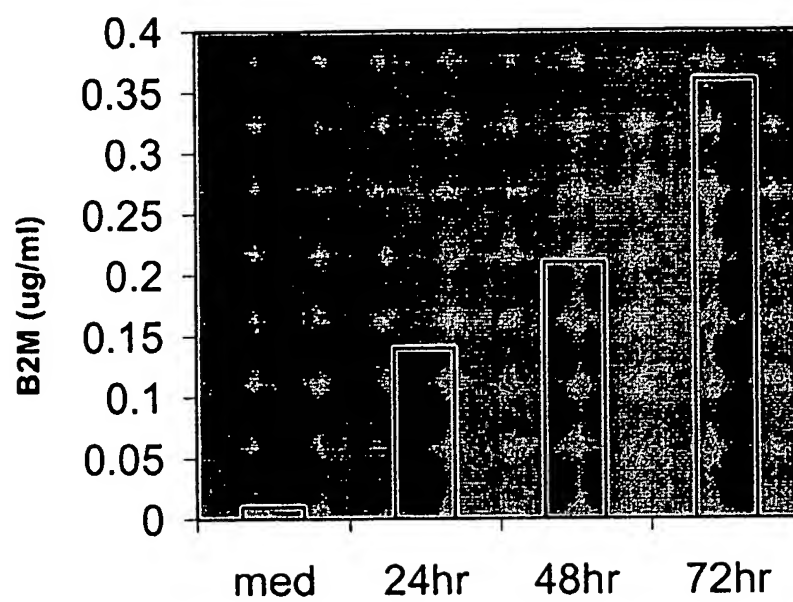


Figure 19 - Differential gene expression of B2M treated chondrocytes detected by microarray

